

**Assessor's Office
15 Rope Ferry Road
Waterford, CT 06385**



**Phone: (860) 444-5820
Fax: (860) 444-5819**

To: First Selectman, Rob Brule; Finance Director Kim Allen
From: Paige S. Walton, Assessor
Date: August 7, 2023
RE: Additional Appropriation – 2022 Revaluation

In completing the 2022 state-mandated revaluation the Town contracted with Federal Appraisal LLC to provide specialized appraisal services specific to Millstone Nuclear Power Plant. A bid waiver in the amount of \$37,000 was approved for the appraisal services by the Board of Selectman in October 2021, however the funds were never appropriated. Services were rendered in July 2022 and the attached invoice for \$19,744.20 was paid from account 20501-57639 (revaluation).

This additional reval-related expenditure was paid out in FY22, resulting in a reduced carry-over balance available in FY23 to cover the remaining revaluation expenses. Account #20501-57639 currently has a deficit of -\$6,547.47.

I am respectfully requesting an additional appropriation in the amount of \$6,547.47 to the CNR account 20501-57639 (revaluation) to cover the year-end deficit.

Thank you for your consideration in this matter.

Sincerely,

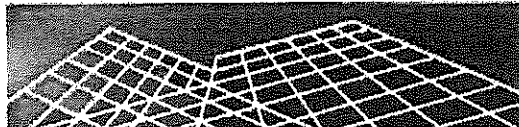
A handwritten signature in cursive script that reads "Paige S. Walton". A horizontal line is drawn across the end of the signature.

Paige S. Walton
Assessor
Town of Waterford

295 US Highway 22 East, Suite 204E
Whitehouse Station, NJ 08889
908-534-3590
info@federalappraisal.com
federalappraisal.com

Invoice

FEDERAL APPRAISAL LLC



BILL TO

Paige S Walton CCMA II
Town of Waterford, CT
Town of Waterford
Assessor
15 Rope Ferry Road
Waterford, CT 06385

INVOICE #	DATE	TOTAL DUE	ENCLOSURE
7729	07/07/2022	\$19,744.20	

DATE	DESCRIPTION	QTY	UNIT	AMOUNT
06/16/2022	SPRINGHILL SUITES for Mark Pomykacz			211.60
06/16/2022	SPRINGHILL SUITES for Mary Pomykacz			211.60
06/16/2022	SPRINGHILL SUITES for Amy Lang			211.60
06/16/2022	SPRINGHILL SUITES for Shawn Kavanagh			211.60
06/17/2022	Expense Reimbursement Mileage for Chris Olmsted for Site Inspection	322	0.585	188.37
06/17/2022	Expense Reimbursement Mileage for Mark Pomykacz for Site Inspection	358	0.585	209.43
07/07/2022	Appraisal Services: Power Plants, Utilities Millstone Nuclear Power Plant Retainer and Site Inspection 6-16 & 17-22 Expense Invoice	1	18,500.00	18,500.00

To obtain a PDF of this invoice, click "Pay Invoice", and look for print and download options.

BALANCE DUE

\$19,744.20

APPROVED

VENDOR# 1221
PO# 220389 FY 2022
CLOSE PO Y N X
ACCOUNT # 20501-57639
AMOUNT \$19,744.20
SIGN FW
DATE 7-8-22

EIN/Tax ID: 82-1591070. Our W9 is attached to the invoice email. Due and payable immediately. Interest charges begin accruing after 60 days, at 1% per month from due date. Wire Transfer, ACH and bank routing information is included in the invoice email. Please notify us at kathy@federalappraisal.com, of all electronic payments, in order to receive proper credit.

1000 HARTFORD TURNPIKE



WATERFORD, CT 06385

August 31, 2023

Mr. Rob Brule, First Selectman
Town of Waterford Town Hall
15 Rope Ferry Road
Waterford, CT 06385

Dear Mr. Brule,

The Utility Commission respectfully requests from the Board of Selectmen an additional appropriation of the funds for the Old Norwich Road Wastewater Pump Station Comprehensive Upgrade Project. Competitive bid results for this project were received on August 10, 2023. The lowest bid received was from Holzner Construction in the amount of \$2,113,850.00, bid tabulation attached. Funds currently available for this project are \$1,020,041 in ARPA funds and \$549,825 in CNR L.I. # 20531-57816 for a total amount of \$1,569,866.

An additional funding request in the amount of \$755,369 is hereby requested in order to make up the shortfall of available funding and allow for a 10% contingency in the event unforeseen items are encountered during this comprehensive rehabilitation process.

Thank you.

James A. Bartelli, Director
Utility Commission

Cc: Utility Commission
Kimberly Allen, Director of Finance

Town of Waterford,CT
Old Norwich Road Sewer Pump Station Upgrades

Bid#23-126

BID TABULATION

Bid Opening: 8/10/2023, 11 am



				BIDDER'S NAME				
				Holzner Construction	Tucker Mechanical	Leed Construction	Associated Construction	Lawrence Brunoli
				BID	BID	BID	BID	BID
1	Old Norwich Road Pump Station Upgrades, complete	1	Lump sum	\$2,095,850.00	\$2,243,622.00	\$2,337,000.00	\$2,771,512.00	\$3,111,000.00
2	Undocumented Site Conditions	1	Allowance	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
3	Utility Company Service Allowance	1	Allowance	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
4	Pump Station remote Monitoring Programming Allowance	1	Allowance	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
TOTAL BID AMOUNT (ITEMS 1 THROUGH 4)				\$2,113,850.00	\$2,261,622.00	\$2,355,000.00	\$2,789,512.00	\$3,129,000.00

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

TO: Kimberly Allen, Finance Director
FROM: Steven Sinagra, Emergency Management Director
RE: Additional Appropriation Request – Fargo Road Water Tank Antennas
DATE: September 5, 2023

The Waterford Utility Commission is working on a project to rehabilitate the water tank at 45R Fargo Road, Waterford, CT. The project requires the temporary relocation of the radio antennas mounted on the tank that are part of the Town of Waterford emergency radio communications system for police/fire and EMS. The system must be kept operational during the utility work, and the antennas must be moved before the utility work may begin.

I am requesting an additional appropriation of \$48,998 to relocate the antennas as a new Emergency Management Capital Project.

Respectfully submitted,

Steven R. Sinagra

Steven Sinagra



We have prepared a quote for you

LMR Relocation Project - Fargo Road Tank Revised

Quote # 008182 v1

Prepared for:

**Waterford Emergency Communications
Center**

Steve Sinagra
ssinagra@waterfordct.org

Prepared by:

**Goosetown Communications -
Bloomfield**

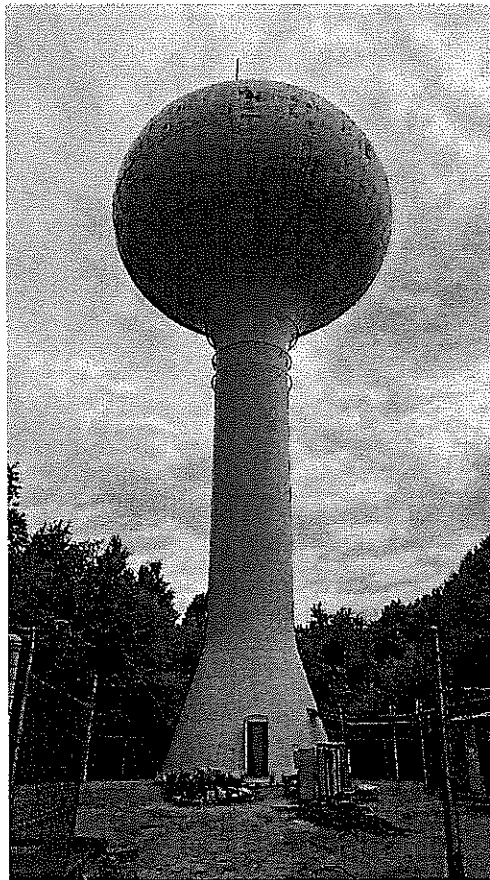
Todd Stacy
tstacy@goosetown.com



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LMR Relocation Project

Town of Waterford, CT Land Mobile Radio Systems Relocation Project



Overview:

This project involves the complete removal and replacement of the interior and exterior coating system of the Fargo Rd Tank Site. The tank is approximately 130' high. This will involve the removal of all appurtenances on the tank and there will likely be a containment system installed on the exterior of the tank. The existing exterior coating system is a lead-based paint. The photos and video can be viewed or downloaded at <https://photos.app.goo.gl/iHkFVfbWkPdtbUxt5> I recommend downloading the video if you want to view it at full resolution.

Identified issues-

- Relocation of the antennas – There are 3 antenna systems that have been identified as needing relocation and 9 that are identified as no longer in use on the tank.
- Shelter access – In the event the contractor elects to use a containment system the entry to the public safety



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LMR Relocation Project

communications shelter and HVAC units will likely be within the containment system. Provisions will need to be made with the contractor for access to the shelter and the HVAC units that does not involve entry to the containment system.

- Fiber relocation – The fiber feed for the system enters the tank and then exits the tank and crosses the cable tray and enters the shelter. The fiber is unprotected in the tank and will likely get damaged in the interior blasting process. Since the fiber only services the public safety shelter we recommend relocating the fiber out of the base of the tank.
- Removal of other Equipment – There are 6 apparently abandoned mounts that are on the tank and will require removal (one is in use for the School Bus repeater).
- ***New Installation - Contractor has elected to provide their own mounting solution. We recommend that this solution be looked at and approved by a structural engineer. A single 2x2 tube seems unlikely to properly support a 20' long antenna. We also need to maintain maximum separation between the two 800 MHz antennas. The distance should be greater than or equal to the existing separation. Cabling and antennas will be reused and jumpers added to extend the height of the antennas. We recommend new antenna lines once the project is completed.***
- ***A cable entry system should be installed to allow for appropriate and maintainable cable management. Cable management should be installed on the tank roof and interior. The cable entry installation will be complicated since the antennas are not being relocated - this may result in downtime for the installation of the new cable entry. There is a high likelihood for an RF Energy Hazard on the roof of the tank that will be created by this new location. The system transmitters may need to be disabled during the hours that the contractor is working on the top of the tank. This would include the School Bus system at the tank.***

Proposed sequence of events:

Purchase new cable and connectors to have materials on-hand for the start of construction.

When containment and new mounting installation is complete by painting contractor, Goosetown will install the new jumpers and raise the antennas up to desired location. There will be some downtime of the site during this time.

We will need 5 antennas on the mounting system(s) – The antennas need 6' minimum between them and the trunked antennas require 30' between them horizontally.

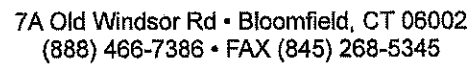
The antennas will need to be 8' above the maximum working height for the painting crew.

The Trunked RX Tower Top Amplifier will need to be relocated unless there is a spare available.

Relocate the 6 GPS antennas to the shelter.

Existing condition:

Antennas and mounts are identified based on the drone visual inspection

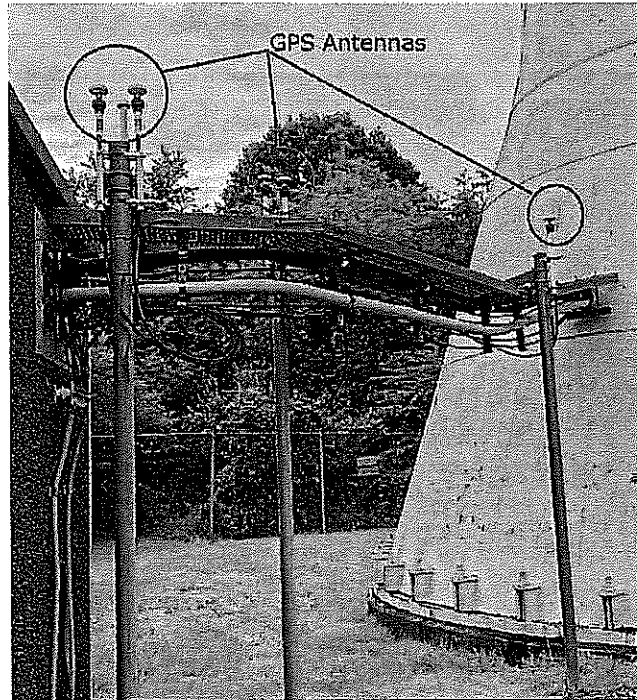




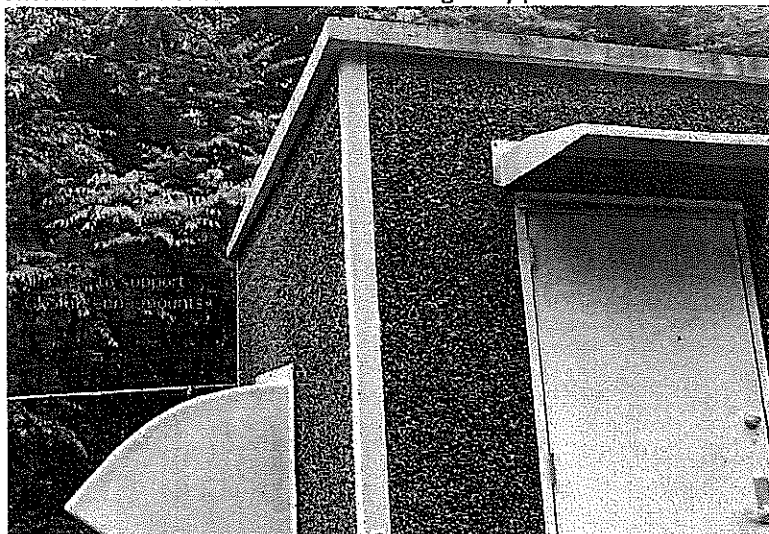
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LMR Relocation Project

GPS Antennas to be relocated. Cable Tray to be removed for painting. Install appropriate bracket on the tank for the tray to eliminate the clamp on the entry pipe.



Relocation area for the GPS antennas – Cables to be run to the existing entry port.





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LMR Relocation Project

Products

Description	Price	Qty	Ext. Price
CT-19PSX0088 Use on orders purchased under CT 19PSX0088 contract. Use on orders purchased under CT 19PSX0088 contract.	\$0.00	1	\$0.00
429150 CommScope LDF4-50A 1/2 inch foam dielect 50 Ohm coax cable - Black Jacket CommScope LDF4-50A 1/2 inch foam dielect 50 Ohm coax cable - Black Jacket	\$2.27	400	\$908.00
307941 CommScope 1/2" N Female Positive Stop AL4RPV and LDF4 CommScope 1/2" N Female Positive Stop AL4RPV and LDF4	\$22.89	6	\$137.34
377273 CommScope 1/2" N Male Positive Stop AL4RPV, LDF4 & HL4RP-50 CommScope 1/2" N Male Positive Stop AL4RPV, LDF4 & HL4RP-50	\$15.81	6	\$94.86
388678 Times Microwave Systems Bulkhead Arrestor, N/F-N/M Times Microwave Systems Bulkhead Arrestor, N/F-N/M	\$84.62	3	\$253.86

Subtotal: **\$1,394.06**

Labor

Description	Price	Qty	Ext. Price
LABOR-TOWER-SUB Tower Site Contractor Labor: 4 Men Full Day, Lead Remediation Work - Daily Rate for removal of old antennas and reinstallation of 3 existing antennas on new mounts. Tower Site Contractor Labor	\$7,840.80	4	\$31,363.20
LABOR-FIELD Field Labor to coordinate remove and re-installation of antennas and associated cabling. Coordinate any and all site downtime with dispatch. Field Labor	\$145.00	32	\$4,640.00
LABOR-ENGINEERING Engineering Labor to coordinate design of the antenna mounts and fiber move Engineering Labor	\$225.00	16	\$3,600.00



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Labor

Description		Price	Qty	Ext. Price
LABOR- SUBCONTRAC TOR-PO	L3Harris Daily Rate for coordination of trunking system site standby and transmit - 4 days. If more days needed it will be additional. Electrical Contractor Labor	\$2,000.00	4	\$8,000.00
Subtotal:				\$47,603.20



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LMR Relocation Project - Fargo Road Tank Revised

Prepared by:

**Goosetown Communications -
Bloomfield**

Todd Stacy
860-528-7500 x323
FAX (845) 268-5345
tstacy@goosetown.com

Prepared for:

**Waterford Emergency
Communications Center**

204 Boston Post Road
Waterford, CT 06385
Steve Sinagra
(860) 442-5332
ssinagra@waterfordct.org

Bill To:

**Waterford Emergency
Communications Center**

204 Boston Post Road
Waterford, CT 06385
Steve Sinagra
(860) 442-5332
ssinagra@waterfordct.org

Quote Number: 008182 • Version: 1 • Quote Date: 09/05/2023 • Expiration Date: 10/05/2023

Quote Summary

Description	Amount
Products	\$1,394.06
Labor	\$47,603.20

Total: \$48,997.26

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

**Waterford Emergency Communications
Center**

Signature: _____

Name: _____

Title: _____

Date: _____

To: Finance Director Kim Allen

Cc: First Selectman Rob Brule

From: Jeffrey Robillard-IT Manager Town of Waterford, Marc Balestracci-Chief of Police, Michael Howley-Fire Services Director, Steve Sinagra-Emergency Management Director, Tom Giard-Superintendent of Schools, Mark Geer-IT Director Waterford Public Schools

Date: August 9, 2023

Re: Capital Improvement Request Outside of Budget Cycle

We respectfully request an additional appropriation for a new Capital Improvement Project that is outside of the town's budget cycle. The Town Safety Project, which is a collaboration between IT, Police, Fire, Emergency Management and the Board of Education, has been in review for approximately one year. The participants took the necessary time to review current systems, immediate needs and the future needs to improve the overall safety in Waterford.

The Town Safety Project covers numerous safety measures to include cameras at town and school facilities, physical barriers such as fencing and bollards, signage and other needed supplies as determined by the project managers. The systems that are currently in place are at end-of-life and are in need of replacement and/or upgrade. Additions to existing systems and new systems are all part of the project to ensure the overall safety in town. The IT portions will allow better communication and information gathering before, during or after an incident, whereas the barriers proposed will allow for advanced alerting, increased reaction time and delay and/or interruption to those causing such incidents.

The cost of the project is \$1,888,476 with an additional 5% or \$94,424 for contingency funding for unexpected costs (\$1,982,900). The costs were calculated by speaking with vendors, obtaining quotes and seeking process for labor and materials through various methods. There is no grant funding for this project so the request is sought from town funds as deemed appropriate by the governing boards and commissions.

If approved, we would look to start advancing this project as soon as possible as the time from approval to project start could be significant.

Thank you for any consideration,

**TOWN OF WATERFORD
CAPITAL PROJECT REQUEST FORM
2023-2024 FISCAL YEAR REQUEST**

DEPARTMENT/AGENCY

IT/Police/Fire/Emergency management/BOE

CONTACT PERSON

IT Manager Jeffrey Robillard

PROJECT NAME

Town Safety Project

DEPARTMENT PRIORITY

1

1 DESCRIPTION AND JUSTIFICATION (describe the type, purpose & anticipated accomplishments of the project)

The Town Safety Project, which is a collaboration between IT, Police, Fire, Emergency Management and the Board of Education, has been in review for approximately one year. The participants took the necessary time to review current systems, immediate needs and the future needs to improve the overall safety in Waterford.

The Town Safety Project covers numerous safety initiatives to include cameras at town and school facilities, physical barriers such as fencing and bollards, signage and other needed supplies as determined by the project managers. The systems that are currently in place are at end-of-life and are in need of replacement and/or upgrade. Additions to existing systems and new systems are all part of the project to increase the overall safety in town. The IT portions will allow better communication and information gathering before, during or after an incident, whereas the barriers proposed will allow for advanced alerting, increased reaction time and delay and/or interruption to those causing such incidents.

The Town Safety Project, which is a collaboration between IT, Police, Fire, Emergency Management and the Board of Education, has been in review for approximately one year. The participants took the necessary time to review current systems, immediate needs and the future needs to improve the overall safety in Waterford.

The Town Safety Project covers numerous safety initiatives to include cameras at town and school facilities, physical barriers such as fencing and bollards, signage and other needed supplies as determined by the project managers. The systems that are currently in place are at end-of-life and are in need of replacement and/or upgrade. Additions to existing systems and new systems are all part of the project to increase the overall safety in town. The IT portions will allow better communication and information gathering before, during or after an incident, whereas the barriers proposed will allow for advanced alerting, increased reaction time and delay and/or interruption to those causing such incidents.

2 PROJECT STATUS IF IN PROGRESS

3 LIST OTHER PROJECTS WITHIN YOUR DEPARTMENT OR ANOTHER DEPARTMENT THAT WILL BE IMPACTED BY THIS REQUEST

4 DESCRIBE THE IMPACT ON DEPARTMENT OPERATING BUDGET (Include cost estimate if applicable)

5 GRANT FUNDING/OTHER FUNDING, if applicable (detailed explanation of grant/other funding, including the amount, source of funding, status, town match, if any. Attach award letter if available)

6 ATTACH PLAN ESTIMATE, SERVICE AREA MAP AND/OR OTHER SUPPORTING DOCUMENTATION (if none, simply state that in the area below)

7 COST/FUNDING SOURCE

	FUNDING SOURCE	APPROVED FUNDING TO DATE	FY2024	FY2025	FY2026	FY2027	FY2028
1	Current Year Capital	0	1,982,900				
2	Utility Budget/Sewer Cap Maint Fund						
3	Transfer to CNR						
4	Short/Long-term Bonds						
5	LoCIP (detail in section 5 above)						
6	CNR Undesignated Fund Balance						
7	Federal/State Grants (detail in section 5)						
8	Other Funding (detail in section 5 above)						
	TOTALS	0	1,982,900	0	0	0	0

LOCATION	AXIS CAMERAS, MILESTONE SECURITY SOFTWARE, AND INFRASTRUCTURE	COST	BOE YEARLY SOFTWARE UPGRADE/SUPPORT MAINTENANCE	TOWN YEARLY SOFTWARE UPGRADE/SUPPORT MAINTENANCE
High School School	add 174 camera devices and 4 recording servers to the existing 18 camera devices and existing recording server	443,074.63	8,824.61	
Clark Lane Middle School	104 camera devices and 3 recording servers	254,840.67	4,799.60	
Great Neck Elementary School	56 camera devices and 1 recording server	151,113.84	2,584.40	
Oswegatchie Elementary School	53 camera devices and 1 recording server	129,280.66	2,445.95	
Quaker Hill Elementary School	add 5 camera devices to the existing 36 camera devices and existing recording server	21,695.15	1,931.67	
Police Dept	67 camera devices and 2 recording servers	203,226.28		3,621.62
EOC	14 camera devices and 1 recording server	47,730.93		756.76
MuniComplex	add 13 camera devices to the existing 14 camera devices and 1 recording server to the existing system (relocated existing recording server to youth services building)	54,089.32		1,348.80
Library	20 camera devices and 1 recording server	60,868.13		1,081.08
Community Center	34 camera devices and 1 recording server	85,322.56		1,837.84
Youth Bureau	11 camera devices running on relocated recording server from Municipal Complex Upgrade existing Milestone systems to Corporate version of Xprotect (Admin server, 3 Recording Servers, Mobile Server)	26,649.74		594.59
	23 POE Network Switches with associated fiber modules and power supplies	117,228.80		
	13 Dell Computers w/ dual displays for viewing and retrieving video	33,758.92		
TOTAL CAMERA SECURITY PROJECT COST		1,658,846.40		
EXPECTED YEARLY SOFTWARE MAINTENANCE COSTS			20,586.23	9,240.69
			BOE	TOWN

Fencing

		\$ - Ft	\$ - Ft	
	Intent	Linear Ft	Material	Installation Potential cost
Oswegatchie	Full enclosure of all fields	700		17.33 23 28,231
Quaker Hill	Limiting egress to parking lot	175		17.33 23 7,058
Great Neck	Limiting egress to parking lot	275		17.33 23 11,091
Total		1,150		46,380

Bollards

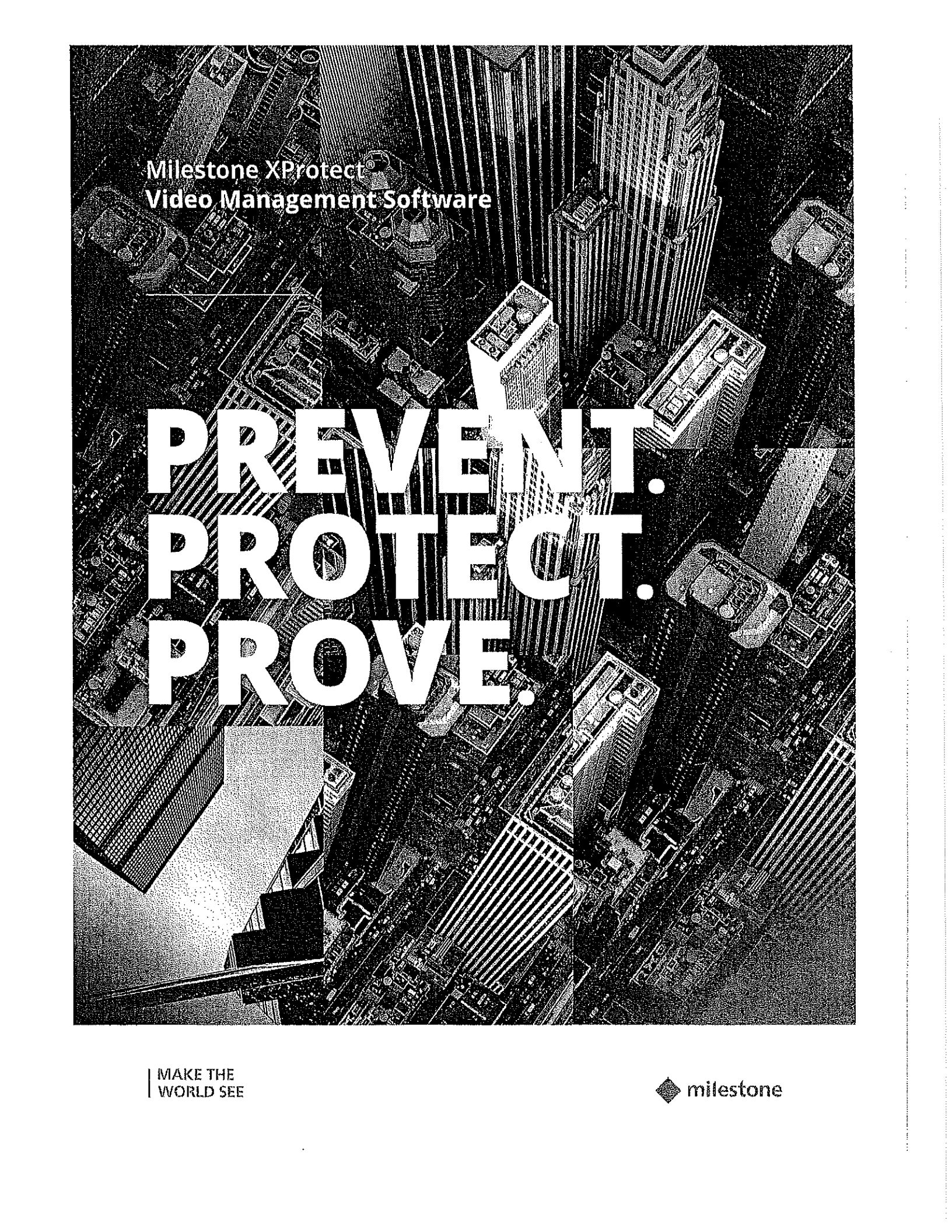
	Intent	Linear Ft	Number of Bollards	Cost Per	Potential cost
Oswegatchie	Limiting egress	60	15	500	7,500
Quaker Hill	Limiting egress	60	15	500	7,500
Great Neck	Limiting egress	90	23	500	11,250
Clark Lane	Limiting egress	120	30	500	15,000
WHS	Limiting egress	80	20	500	10,000
Total		410	103		51,250

Total security improvements	97,630
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DIGITAL SIGNS

Waterford High School	66,000.00
Clark Lane Middle School	66,000.00

Total digital signs	132,000
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Milestone XProtect®
Video Management Software

**PREVENT.
PROTECT.
PROVE.**

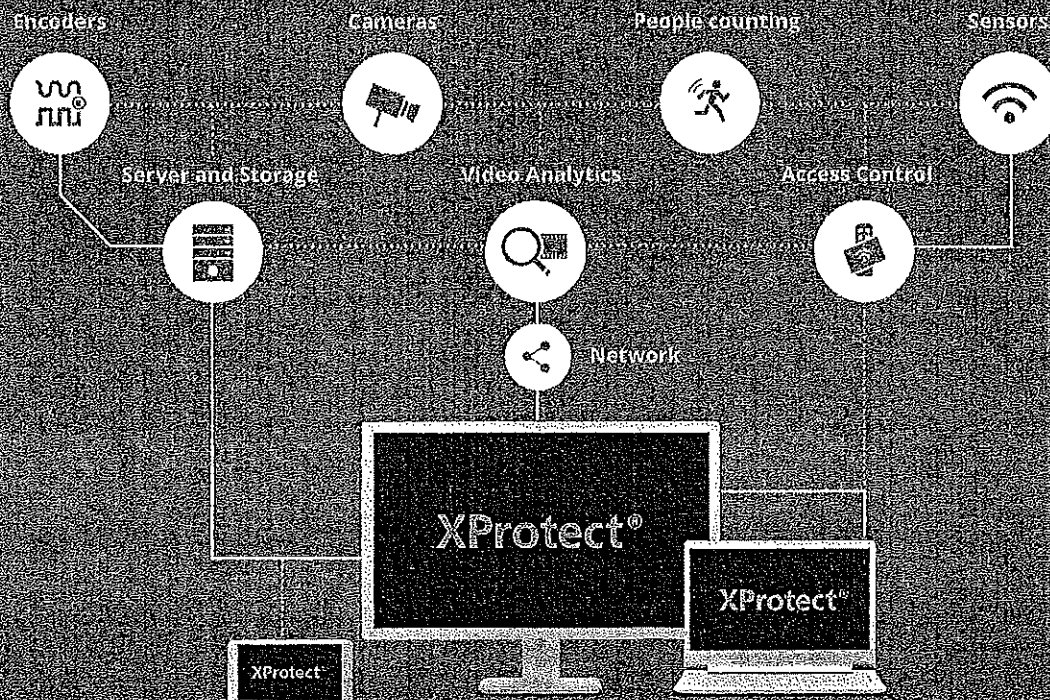
| MAKE THE
WORLD SEE

 milestone

THIS IS XPROTECT

XProtect video management software brings all the puzzle pieces of a video surveillance installation together in a perfect combination to create a solution that keeps people and property safe today – and tomorrow.

XProtect's open platform architecture has fostered an ever-expanding community of camera manufacturers, application providers and software developers, all working to create integrations and extensions to XProtect. Building your video installation on XProtect gives you the opportunity to leverage this community and its thousands of integrated solutions, so you can add additional value and capabilities to your system.



WHY XPROTECT IS THE RIGHT CHOICE

When we developed Milestone XProtect in 1998, the video surveillance industry was vastly different than today. CCTV and analog equipment ruled the market, and black and white footage were the norms for most video surveillance operations.

Fast forward to today and video surveillance systems are capable of so much more. From crystal-clear HD footage to body-worn cameras and advanced video analytics, to facial recognition, access control and IoT devices, building your video solution requires a solid foundation - it requires XProtect.



+8,500 devices
supported



+500,000 installations
worldwide



Three annual
product updates

The safe and reliable choice

When you invest in a video surveillance system, you invest in much more than hardware and software. You invest in safety for your home, business, people and assets, so you can protect what matters the most.

Choosing XProtect as your foundation means choosing a solution developed by innovative surveillance experts who work to solve your challenges. With 20+ years on the market, XProtect has proven to be the right answer for more than 500,000 customers worldwide - from flower shops to universities, stadiums and cities.

Our software. Your solution

We understand that there's no one-size-fits-all when it comes to video surveillance, and we know that every operation is different. That's why we took an open platform approach when we designed XProtect.

With our open platform architecture, you can build on XProtect's strong foundation to create a unique solution that matches your operation.

24/7 peace of mind

Airports, casinos, prisons and other 24-hour operations depend on constant, reliable surveillance all day, every day. For you (and us!) that's a huge responsibility.

We take that responsibility seriously. That's why XProtect is built by video surveillance experts who know what it takes to deliver a strong, high-performing and reliable system.

Software built for today - and tomorrow

Video surveillance comes in all shapes and sizes, from a few local cameras to thousands spread across the globe. Regardless of the initial set-up, we know that at some point you will need to adjust or expand it. That's why XProtect is scalable.

Advanced system. Simple use

Let's be realistic. Sometimes bad things happen - and when they do, you need a complete picture to react immediately. That's why XProtect is designed with both simplicity and sophistication in mind, giving operators the ability to be in absolute control of any situation, instantly. Whether you're a daily user or an occasional viewer, XProtect is designed to be simple to learn and easy to use without compromising on advanced capabilities.

Security you can count on

XProtect comes standard with an array of security mechanisms that keep your system and its data protected against internal and external threats.

A COMBINATION FOR EVERY BUSINESS

XProtect comes in 5 variants, each designed to match different segments and needs.

FREE

XProtect[®] Essential⁺

Supporting up to 8 cameras and ideal for small businesses.

XProtect[®] Express⁺

Supporting up to 48 cameras and designed for smaller single-site installations with basic security needs.

XProtect[®] Professional⁺

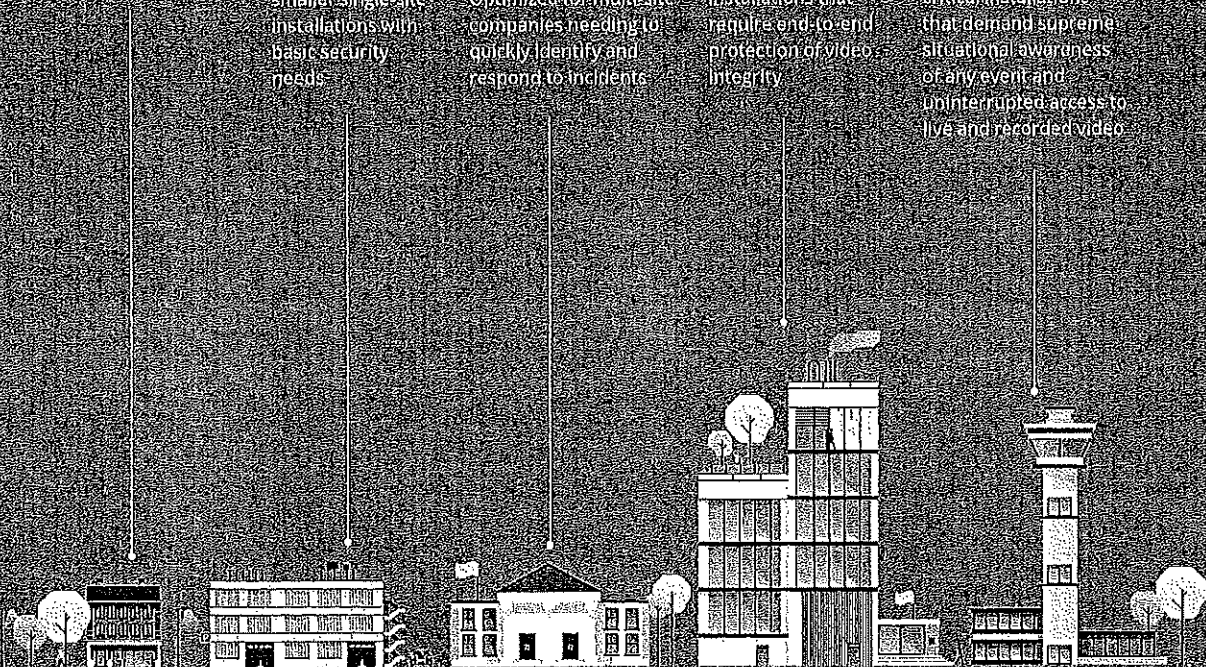
Supporting an unrestricted number of cameras and servers. Optimized for multi-site companies needing to quickly identify and respond to incidents.

XProtect[®] Expert

Supporting unrestricted cameras and for large-scale installations that require end-to-end protection of video integrity.

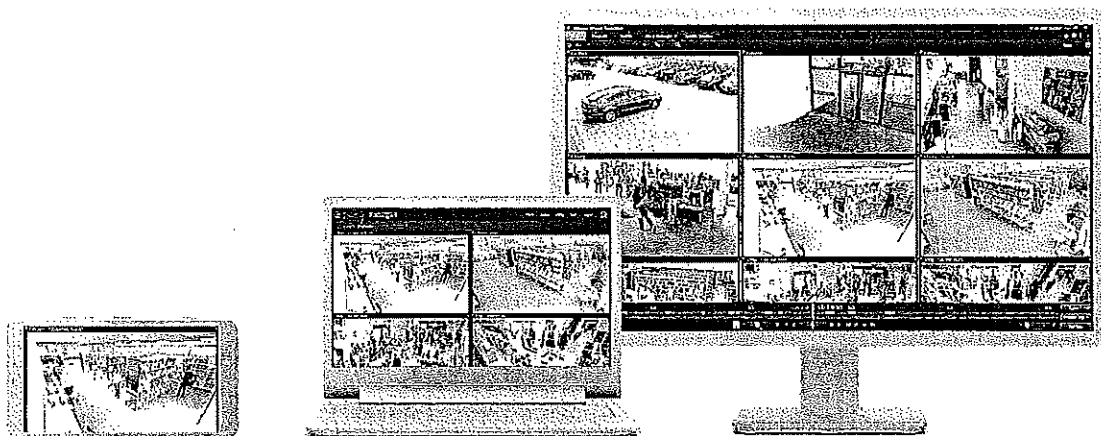
XProtect[®] Corporate

Supporting unrestricted cameras and for high security and mission-critical installations that demand supreme situational awareness of any event and uninterrupted access to live and recorded video.



ALWAYS KNOW WHAT'S HAPPENING

Whether you are at home, at work or on the go, you are in control with three flexible ways to access XProtect.



XProtect Mobile

View and export live and recorded video directly from your phone

Send live video from your phone directly to the XProtect VMS



XProtect Web Client

Intuitive, web-based interface that works with all common browsers and operating systems

Perfect for occasional users and for coordinating after-hours response to incidents

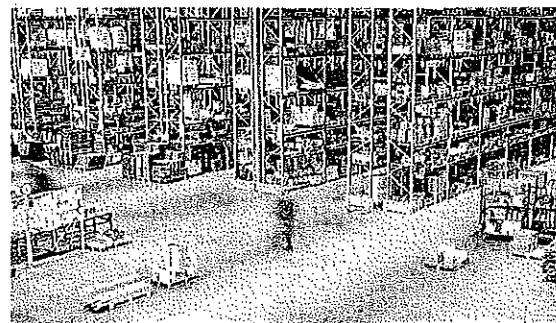
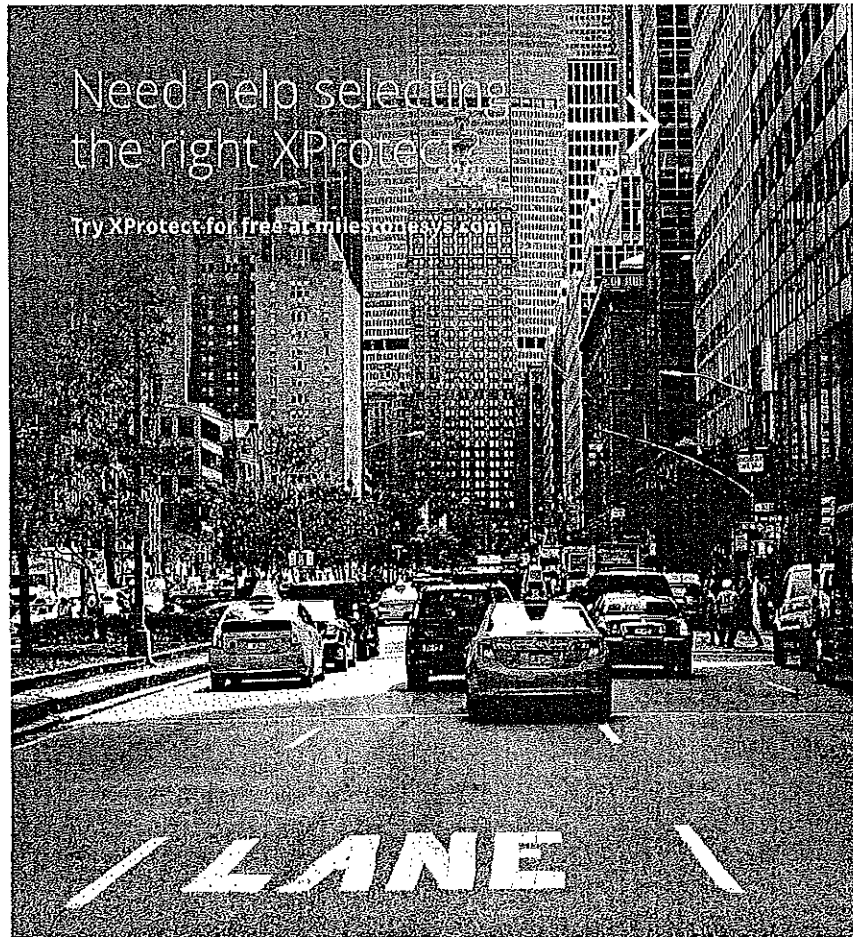
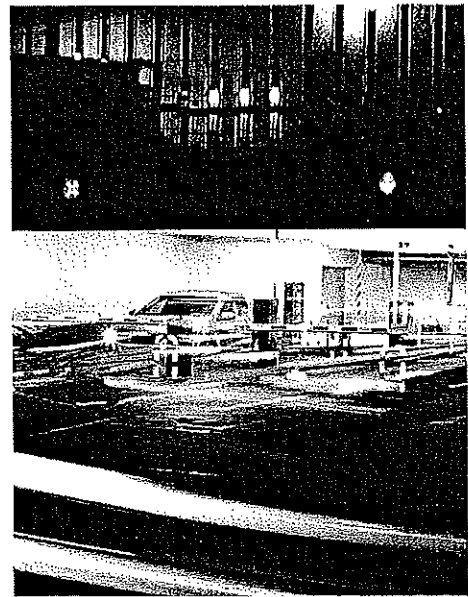
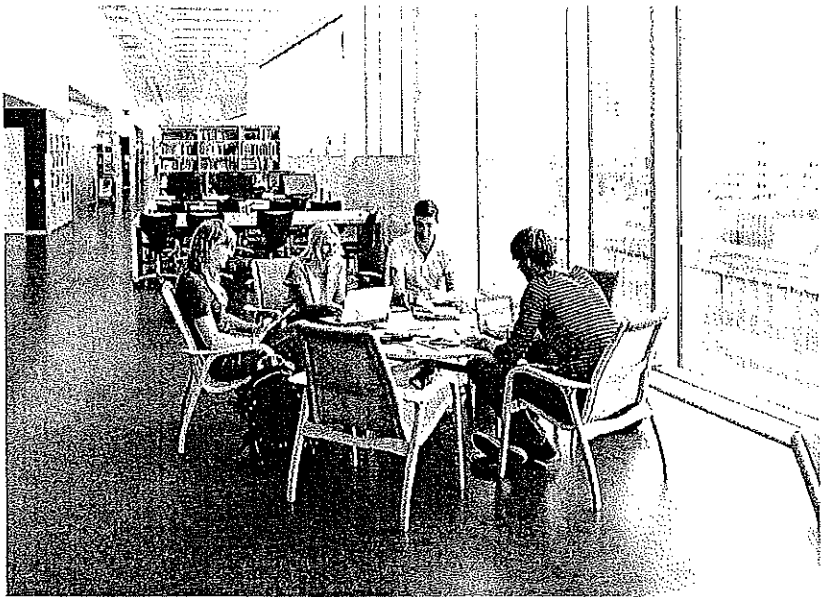


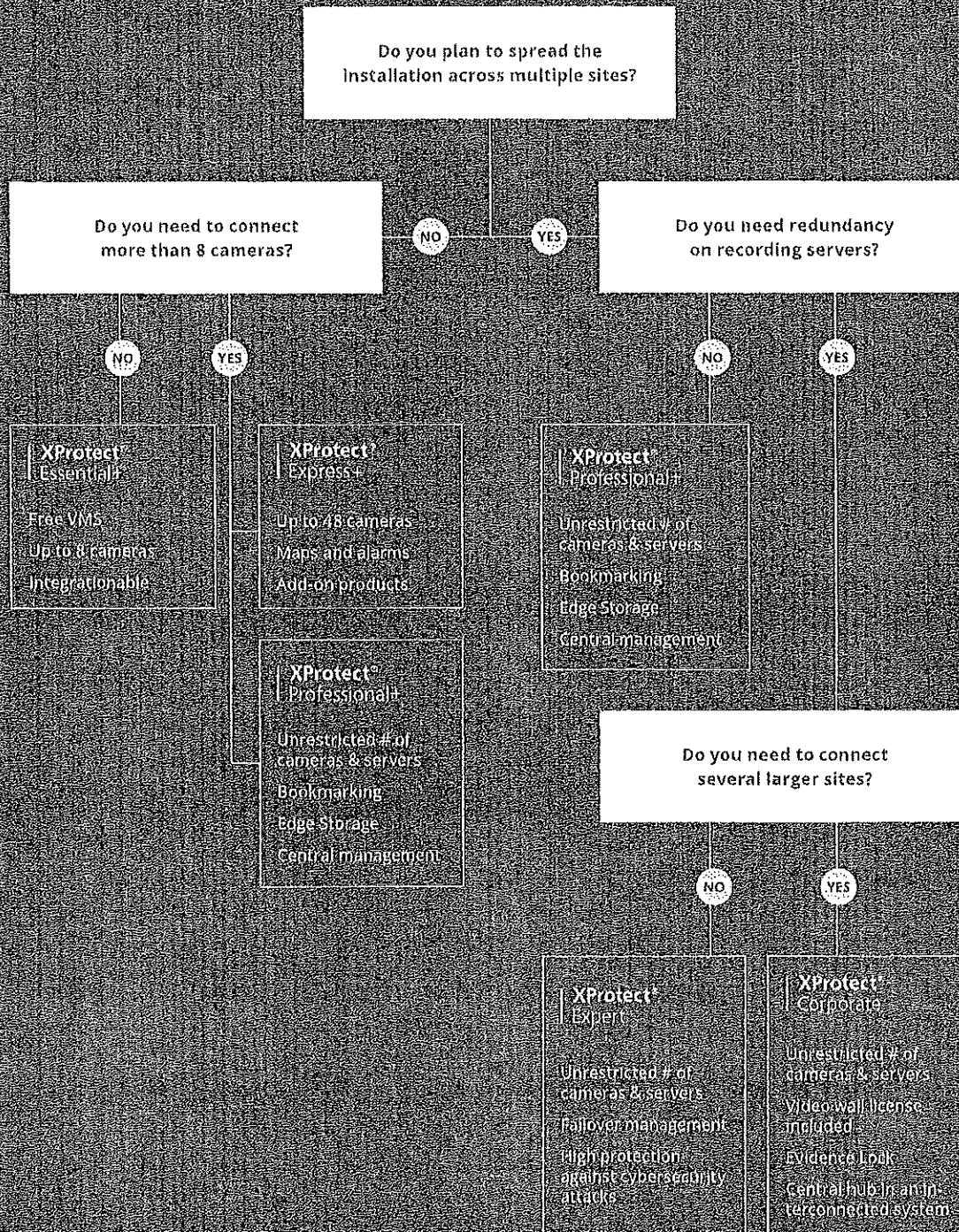
XProtect Smart Client

Powerful, task-based interface to manage daily operations

Get unparalleled situational awareness with interactive maps

Manage integrated applications (ie. access control and license plate recognition) directly from the Smart Client

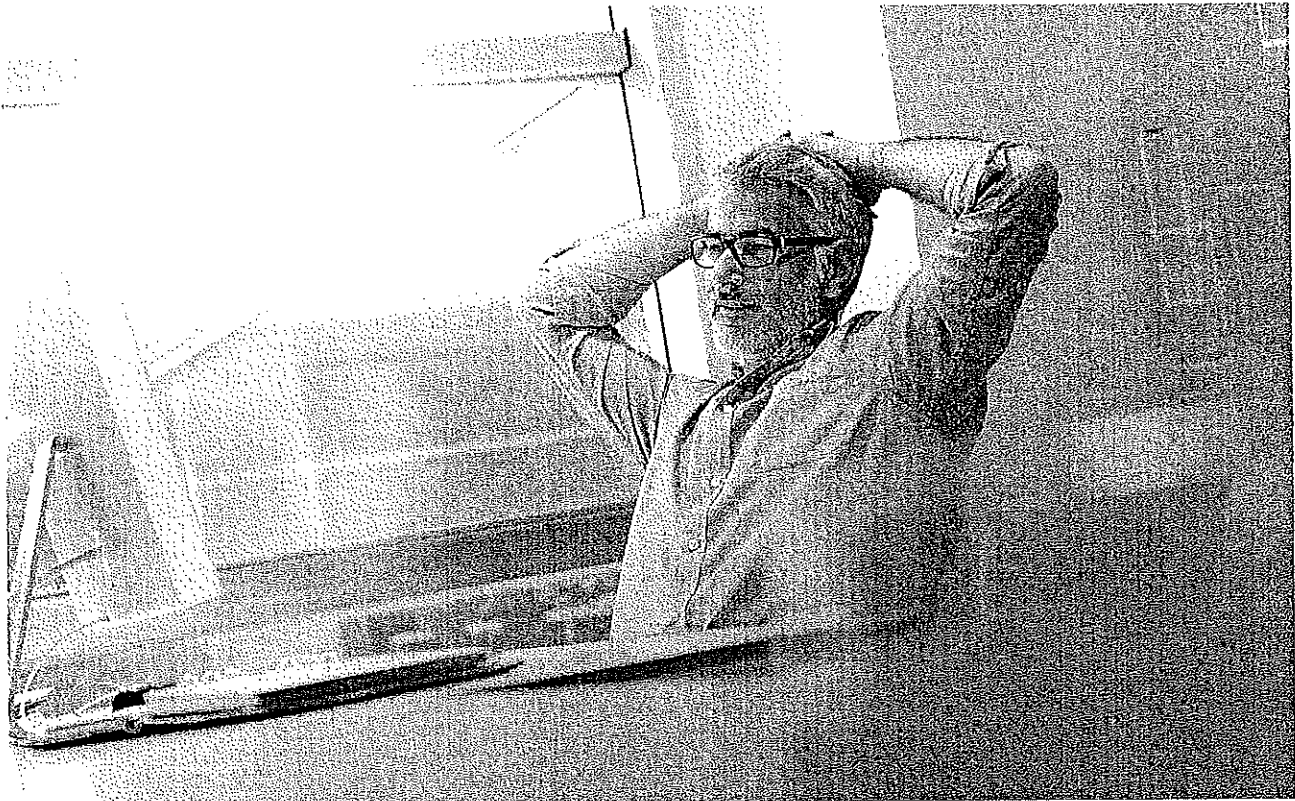




XProtect VMS Key features

	XProtect [®] Essential [™]	XProtect [®] Express [™]	XProtect [®] Professional [™]	XProtect [®] Expert [™]	XProtect [®] Corporate [™]
System					
Type of deployment	Single server	Single server	Centrally managed, multi-server	Centrally managed, multi-server	Centrally managed, multi-server
Licensing	Free	Perpetual	Perpetual	Perpetual	Perpetual
Number of cameras per recording server	8	48	Unrestricted	Unrestricted	Unrestricted
Number of recording servers per system	1	1	Unrestricted	Unrestricted	Unrestricted
Flexible rule engine	✓	✓	✓	✓	✓
Performance and Scalability					
Centralized management	✓	✓	✓	✓	✓
Microsoft Active Directory	✓	✓	✓	✓	✓
Pre-recording buffer in RAM	✓	✓	✓	✓	✓
Hardware accelerated video decoding (Quick Sync)	✓	✓	✓	✓	✓
Edge Storage	-	-	✓	✓	✓
Scalable Video Quality Recording™	-	-	✓	✓	✓
Hardware accelerated video decoding (NVIDIA)	-	-	-	✓	✓
System Monitor	-	-	-	✓	✓
Integration					
Third-party application Integration	✓	✓	✓	✓	✓
XProtect Screen Recorder	✓	✓	✓	✓	✓
Metadata	✓	✓	✓	✓	✓
XProtect Add ons	-	✓	✓	✓	✓
XProtect Smart Wall	-	-	-	Option	Included
Interoperability					
Milestone Interconnect™	-	Remote site	Remote site	Remote site	Central/ Remote site
Milestone Federated Architecture™	-	-	-	Remote site	Central/ Remote site

	XProtect [®] Essential	XProtect [®] Express	XProtect [®] Professional	XProtect [®] Expert	XProtect [®] Corporate
Cybersecurity and user rights					
Kerberos authentication	✓	✓	✓	✓	✓
Communication encryption (Recording, Management and Mobile Server)	✓	✓	✓	✓	✓
Restrict user access by client type	✓	✓	✓	✓	✓
Dual authorization	-	✓	✓	✓	✓
Media database encryption and digital signing	-	-	-	✓	✓
Tiered management rights	-	-	-	-	✓
Two-step verification	-	-	-	-	✓
Monitoring and investigation					
Map function	✓	✓	✓	✓	✓
Centralized Search	✓	✓	✓	✓	✓
Privacy masking	-	✓	✓	✓	✓
Push notification	-	✓	✓	✓	✓
Alarm Manager	-	✓	✓	✓	✓
Customer Dashboard	-	✓	✓	✓	✓
Manual bookmarking	-	-	✓	✓	✓
Rule based bookmarking	-	-	-	✓	✓
Smart Map	-	-	-	✓	✓
Evidence Lock	-	-	-	-	✓
Fallover and Redundancy					
Fallover event server	✓	✓	✓	✓	✓
Management fallover server	✓	✓	✓	✓	✓
Hot- & cold-fallover recording server	-	-	-	✓	✓

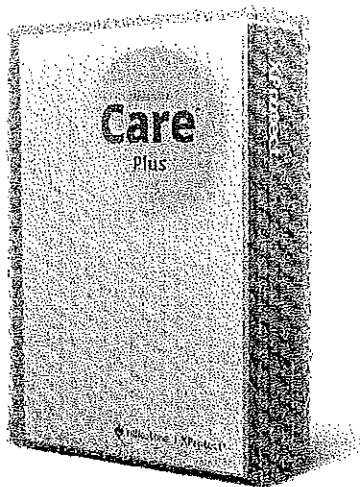


PEACE OF MIND STARTS HERE

Milestone Care™ is a complete service and support program that takes care of your product throughout its lifetime.

Designed to give you peace of mind, the Care program includes three packages. Whether you need frequent software updates, 24/7 access to Milestone Support or critical incident resolution, there is a package to suit your needs.

It is our commitment to you and your business to make sure you can take full advantage of your product and get the most out of your investment.



Milestone Care™ Plus

When you want to protect
your investment

Care Plus is designed to ensure you are ready for the future. Whether the future brings new technological innovations or responses to security challenges, this package helps keep your system up to date and ready to react quickly to changes and opportunities and includes:

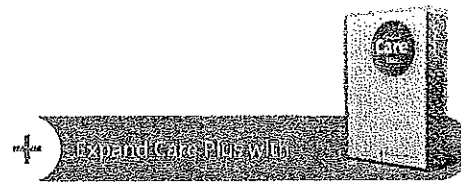
- Instant access to product updates three times annually
- Reseller access to Milestone Customer Dashboard to ensure system health and stability
- 100% trade-in credit when upgrading so you can seamlessly grow your installation over time
- Exclusive online features like push notifications and Smart Connect



Milestone Care™ Premium

When you need
24/7 direct technical
support

- Direct 24/7 access to a global team of Milestone technical support engineers
- A service-level agreement with committed response time
- Prioritized support to promptly address critical system issues
- Localized support in select markets based on availability



Milestone Care™ Elite

When you need a
dedicated Milestone
Technical Account

- Customized service-level agreement defining the exact level of support your business requires
- Direct and prioritized access to Milestone Technical Support 24/7 with committed resolution objectives
- A dedicated Milestone Technical Account Manager with extensive knowledge of your installation

**Try our software
for free!**

Experience the benefits of the XProtect®
VMS with a 30-day free trial

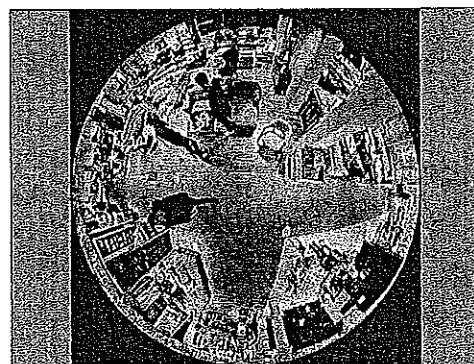
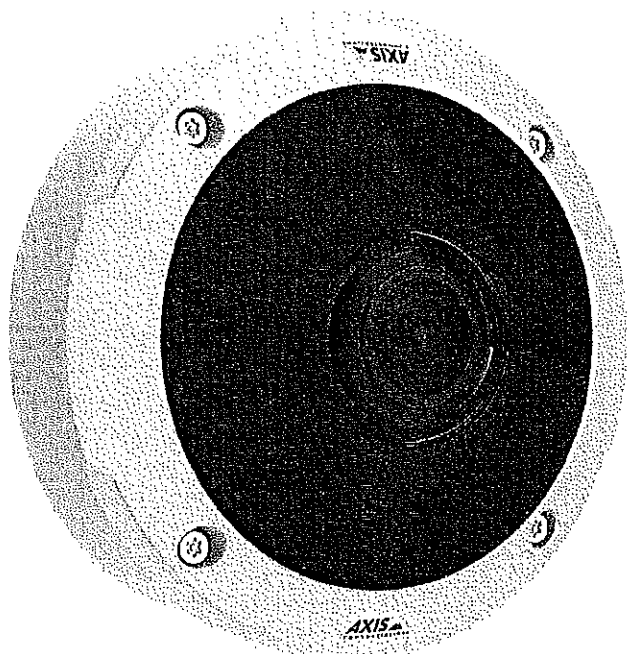
Visit milestonesys.com

AXIS M3058-PLVE Network Camera

12 MP outdoor-ready dome with 360° panoramic view and IR illumination

AXIS M3058-PLVE Network Camera delivers outstanding video in any light conditions, using Axis-developed Forensic WDR and Lightfinder technologies. With its integrated, automatically adaptable OptimizedIR illumination, this versatile camera even sees in the dark. The camera offers 360° overview as well as dewarped views. AXIS M3058-PLVE is vandal resistant (IK10) and discreetly designed. The optional black skin, which is also easily repaintable, can be used to further blend the camera into its environment. The camera has good capacity for analytics. It comes factory-focused and is designed for easy installation.

- > 12 MP sensor
- > OptimizedIR illumination
- > Lightfinder technology
- > Forensic WDR
- > Zipstream for reduced bandwidth and storage



2992 x 2992
4000 x 3000

AXIS M3058-PLVE Network Camera

Camera	
Image sensor	12 MP (4000x3000) 1/1.7" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, IR corrected, 1.3 mm, F2.2 Horizontal field of view: 181° Vertical field of view: 181°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.19 lux at 50 IRE F2.2 B/W: 0.04 lux at 50 IRE F2.2 0 lux with IR illumination on
Shutter speed	1/22 500 s to 2 s
Camera angle adjustment	Rotation $\alpha \pm 180^\circ$
System on chip (SoC)	
Model	ARTPEC-6
Memory	2 GB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Overview: 2992x2992 to 160x160 Panorama: 3584x1344 to 192x72 Double panorama: 3584x2688 to 256x144 Quad view: 3584x2688 to 256x144 View area 1-4, 16:9: 2048x1152 to 256x144, 4:3: 2048x1536 to 320x240 Panorama corner left/right: 3200x1600 to 192x72 Double panorama corner: 2880x2880 to 320x240 Corridor: 2560x1920 to 256x144
Frame rate	360° overview only, up to 2992x2992 without WDR: 25/30 fps @ 50/60 Hz 360° overview and dewarped views up to 5 MP with WDR: up to 20 fps @ 50/60 Hz 360° overview and dewarped views up to max resolution with WDR: up to 12.5/15 fps @ 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Multi-view streaming	360° overview, dewarped panorama, double panorama, corridor and quad views. Up to 4 individually cropped out and dewarped view areas. All different views can be streamed simultaneously. When streaming 4 dewarped view areas and one 360° overview in max resolution: up to 12 fps per stream
HDMI output	HDMI 1080p @ 50/60 fps (50/60 Hz)
Image settings	Compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control (including automatic gain control) exposure zones, fine tuning of behavior at different light levels, forensic WDR: up to 120 dB depending on scene, dynamic text and image overlay, polygon privacy masks, mirroring of images, rotation: 0°, 180°, including Corridor format
Pan/Tilt/Zoom	Digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views, preset positions, guard tour
Audio	
Audio input/output	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, SIP, LLDP, HDMI, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System Integration

Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Event triggers	Analytics, supervised external input, virtual inputs through API, edge storage events, open casing MQTT subscribe
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap PTZ: PTZ preset, start/stop guard tour Overlay text, external output activation MQTT publish
Data streaming	Event data
Built-in installation aids	Pixel counter, digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views
Analytics	
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ucap
General	
Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing in polycarbonate and aluminium, with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: White NCS S 1002-B For repainting, use the optional skin cover. Contact your Axis partner for instructions.
Sustainability	PVC-free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 7.8 W, max 12.95 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE Terminal block for 1 supervised alarm input and 1 digital output (12 V DC output, max. load 25 mA) HDMI type D ^b Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs with adaptable illumination intensity Range of reach 15 m (49 ft) or more depending on scene
Storage	Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-40 °C to 50 °C (-40 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60721-3-3 Class SM3 (vibration and shock), IEC/EN 60529 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X

	Network NIST SP500-267
Dimensions	Height: 66 mm (2.6 in) ø 149 mm (5.87 in)
Weight	770 g (1.7 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, cable gaskets, connector guard, I/O connector, Resistorx® T20 L-key, mounting bracket, cable hole lid, view protector
Optional accessories	AXIS T94T02D Pendant Kit with weathershield, AXIS T94K01D Pendant Kit, AXIS T94S02L Recessed Mount Kit, AXIS M30 Skin Cover A Black, Axis Mounts Et Cabinets, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface For more accessories, see axis.com

Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Polish, Portuguese, Traditional Chinese
Warranty	5-year warranty, see axis.com/warranty

- a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).
b. Make sure that the cable has a slim connector plug

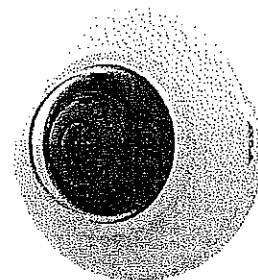
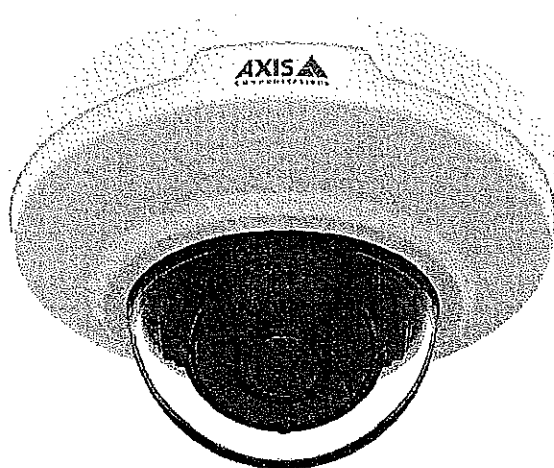
Environmental responsibility:
axis.com/environmental-responsibility

AXIS M3086-V Dome Camera

Fixed 4 MP mini dome with deep learning

This cost-efficient mini dome features Wide Dynamic Range (WDR) to ensure clarity even when there's both dark and light areas in the scene. With Lightfinder, it delivers sharp color images even in low light. A deep learning processing unit enables intelligent analytics based on deep learning on the edge. And AXIS Object Analytics offers detection and classification of different types of objects – all tailored to your specific needs. Furthermore, this compact, easy-to-install, vandal-resistant camera offers a wide-angle view of 130° and comes factory focused so there's no manual focusing required.

- > Great image quality in 4 MP
- > Compact, discreet design
- > WDR and Lightfinder
- > Support for analytics with deep learning
- > Built-in cybersecurity features



AXIS M3086-V Dome Camera

Camera		Edge storage: recording ongoing, storage disruption, storage health issues detected	
Image sensor	1/2.7" progressive scan RGB CMOS	I/O: manual trigger, virtual input, digital input via accessories using portcast technology	
Lens	2.4 mm, F2.1 Horizontal field of view: 130° Vertical field of view: 93° Fixed iris, IR corrected	MQTT: subscribe Scheduled and recurring: schedule Video: average bitrate degradation, tampering	
Day and night	Automatically removable infrared-cut filter	Event actions	
Minimum illumination	With Lightfinder: Color: 0.19 lux at 50 IRE F2.1 B/W: 0.03 lux at 50 IRE F2.1	Notification: HTTP, HTTPS, TCP and email Record video: SD card and network share MQTT: publish Pre- and post-alarm video or image buffering for recording or upload Record video: SD card and network share SNMP traps: send, send while the rule is active Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email External output activation via accessories using portcast technology	
Shutter speed	1/38500 s to 1/5 s	Built-in installation aids	
Camera angle adjustment	Pan: ±175° Tilt: ±80° Rotation: ±175° Can be directed in any direction and see the wall/ceiling	Pixel counter	
System on chip (SoC)		Analytics	
Model	CV25	AXIS Object Analytics	
Memory	1024 MB RAM, 512 MB Flash	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Features: line crossing, object in area, crossline counting ^{BETA} , occupancy in area ^{BETA} , time in area ^{BETA} Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event	
Compute capabilities	Deep learning processing unit (DLPU)	Metadata	
Video		Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions	
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Applications	
Resolution	2688x1512 (4 MP) to 320x240	Included AXIS Object Analytics, AXIS Video Motion Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ocap	
Frame rate	25/30 fps with power line frequency 50/60 Hz in H.264 and H.265 ^a	Cybersecurity	
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/MBR H.264/H.265 Average bitrate	Edge security	
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)	
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, motion-adaptive exposure, WDR: up to 120 dB depending on scene, dynamic overlays, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format	Network security	
Pan/Tilt/Zoom	Digital PTZ	IEEE 802.1X (EAP-TLS) ^b , IEEE 802.1AR, HTTPS/HSTS ^b , TLS v1.2/v1.3 ^b , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering	
Audio		Documentation	
Audio streaming	Audio output via edge-to-edge technology	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity	
Audio input/output	Audio features through portcast technology: two-way audio connectivity, voice enhancer Network speaker pairing	General	
Network		Casing	
Security	IP address filtering, HTTPS ^b encryption, IEEE 802.1x (EAP-TLS) ^b network access control, user access log, centralized certificate management, signed video Axis Edge Vault, Axis device ID	IP42 water- and dust-resistant (to comply with IP42, follow Installation Guide), IK08 impact-resistant, polycarbonate/ABS casing Encapsulated electronics Color: white NCS S 1002-B For repainting instructions, contact your Axis partner.	
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^b , HTTP/2, TLS ^b , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)	Sustainability	
System Integration		57% recycled plastics, PVC free, BFR/CFR free	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org	Power	
Event conditions	Device status: above operating temperature, above or below operating temperature, below operating temperature, IP address removed, live stream active, network lost, new IP address, system ready, within operating temperature	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 3.6 W, max 4.2 W	

	Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	0 °C to 45 °C (32 °F to 113 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC ICES-3(A)/NMB-3(A), EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, KS C 9835, KS C 9832 Class A, RCM AS/NZS CISPR 32 Class A, Safety IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC/EN 60529 IP42, IEC/EN 62262 Class IK08 Network NIST SP500-267
Dimensions	Height: 56 mm (2.2 in) ø 101 mm (4.0 in)

Weight	150 g (0.33 lb)
Included accessories	Installation guide, Windows® decoder 1-user license
Optional accessories	AXIS TM3812 Tamper Cover Black casing Smoked dome AXIS Surveillance microSDXC™ Card For more accessories see axis.com
Video management software	AXIS Companion, AXIS Camera Station and video management software from Axis Application Development Partners. For more information, see axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Japanese, Korean, Portuguese, Simplified Chinese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

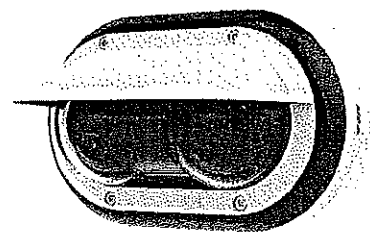
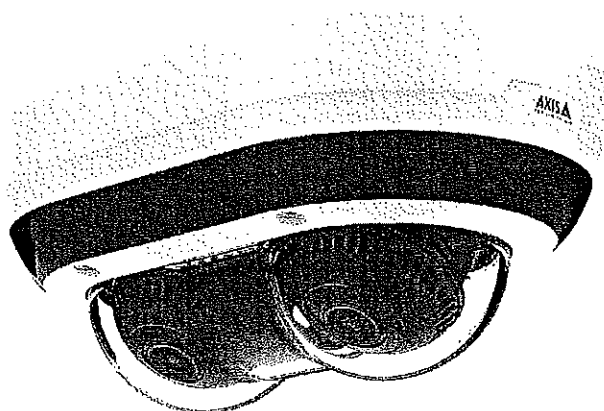
- a. Reduced frame rate in Motion JPEG
b. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

AXIS P4707-PLVE Panoramic Camera

Dual-sensor with 360° IR and deep learning

This dual-sensor, multidirectional camera offers 2*5 MP at 30 fps. It features Lightfinder and Forensic WDR for sharp, clear images in challenging or poor light conditions. Built on ARTPEC-8, this high-performance camera includes a deep learning processing unit enabling improved processing and storage capabilities. It also allows you to collect and analyze even more data than before – on the edge. Plus, it delivers valuable metadata facilitating fast, easy, and efficient forensic search capabilities in live or recorded video. And, with flexible positioning of both varifocal camera heads plus, remote zoom and focus capabilities, it ensures fast and cost-effective installation.

- > 2*5 MP, multidirectional camera, with one IP address
- > Support for analytics with deep learning on both sensors
- > 360° IR illumination
- > 2.5x zoom
- > Axis Lightfinder and Forensic WDR



AXIS P4707-PLVE Panoramic Camera

Camera		Onscreen controls	IR illumination
Image sensor	2 x 1/2.7" progressive scan RGB CMOS	Autofocus	Privacy mask
Lens	Varifocal, 3.3–8.1 mm, F1.9–3.2 Horizontal field of view: 98°–36° Vertical field of view: 69°–27° Diagonal field of view: 133°–46° Minimum focus distance: 0.5 m (1.6 ft) Fixed iris, IR corrected, remote zoom and focus	Play media clip	
Day and night	Automatically removable infrared-cut filter	Event conditions	Analytics, virtual inputs through API Audio: audio detection Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active, casing open Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: manual trigger, virtual input MQTT: subscribe Scheduled and recurring: schedule Video: average bitrate degradation, day-night mode, live stream open, tampering
Minimum illumination	Color: 0.19 lux at 50 IRE, F1.9 B/W: 0 lux at 50 IRE, F1.9 0 lux with IR illumination on	Event actions	Overlay text, day/night mode, flash status LED Audio clips: play, stop Illumination: use lights, use lights while the rule is active MQTT: publish Notification: HTTP, HTTPS, TCP and email Pre- and post-alarm video or image buffering for recording or upload Record video: SD card and network share SNMP traps: send, send while the rule is active Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Shutter speed	1/33500 s to 1/5 s with 60/50 Hz	Built-in installation aids	Pixel counter, remote zoom and focus, level grid
Camera angle adjustment	Pan ±110°, tilt ±75°, rotation ±170°	Analytics	
System on chip (SoC)		AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Features: line crossing, object in area, crossline counting ^{BETA} , occupancy in area ^{BETA} , time in area ^{BETA} Up to 10 scenarios Metadata visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Model	ARTPEC-8	Metadata	Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Memory	2048 MB RAM, 8192 MB Flash	Applications	Included AXIS Object Analytics, AXIS Video Motion Detection, active tampering alarm, audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ucap
Compute capabilities	Deep learning processing unit (DLPU)	Cybersecurity	
Video		Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Network security	IEEE 802.1X (EAP-TLS) ^a , IEEE 802.1AR, HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Resolution	4:3: 2x 2592x1944 (2x 5MP) to 2x 640x480 16:9: 2x 2560x1440 (2x Quad HD) to 2x 640x360	Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions		
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode		
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask		
Audio			
Audio streaming	Audio in, simplex Two-way audio via edge-to-edge technology		
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate		
Audio input/output	External microphone input or line input, ring power, digital audio input, automatic gain control Network speaker pairing Audio features through portcast technology: two-way audio connectivity, voice enhancer		
Network			
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, user access log, centralized certificate management		
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)		
System integration			
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org		

To read more about Axis cybersecurity support, go to axis.com/cybersecurity	
General	
Casing	IP66-, IP67-, NEMA 4X- and IK10-rated Polycarbonate hard-coated dome Aluminum and plastic casing, weathershield Color: white NCS S 1002-B or black NCS S 9000-N
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) 1/4"-20 UNC tripod screw thread 1/2" (M20) conduit side entry
Sustainability	PVC and BFR/CFR free, 7% recycled plastics, 2% bioplastics
Power	Power over Ethernet (PoE) IEEE802.3at Type 2 Class 4 Typical 7.9 W, max 17.5 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE 3.5 mm mic/line in
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 15 m (50 ft) or more depending on the scene
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XIS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Start-up temperature: -30 °C Humidity 10–100% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC CISPR 32 Class A, CISPR 35, EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KS C 9832 Class A, KS C 9835, RCM AS/NZS CISPR 32 Class A, VCCI Class A

Safety

CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1,
IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC/EN 62471,
IS 13252

Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14,
IEC 60068-2-27, IEC 60068-2-78, IEC/EN 62262:2002 IK10,
IEC/EN 60529 IP66/IP67, MIL-STD-883C (Method 501.7, 502.7,
505.7, 506.6, 507.6, 509.7, 512.6)^b, NEMA 250 Type 4X,
NEMA TS 2 (2.2.7–2.2.9), VDMA 24364

Network

NIST SP500-267

Dimensions	Height: 88 mm (3.5 in) Width: 133 mm (5.2 in) Length: 208 mm (8.2 in)
Weight	975 g (2.1 lb)
Included accessories	Installation guide, Windows [®] decoder 1-user license, connector kit, weathershield, connector guard
Optional accessories	Black casing, smoked dome, conduit adapters, AXIS T94N02 Pendant Kit AXIS T8415 Wireless Installation Tool AXIS Surveillance Cards For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

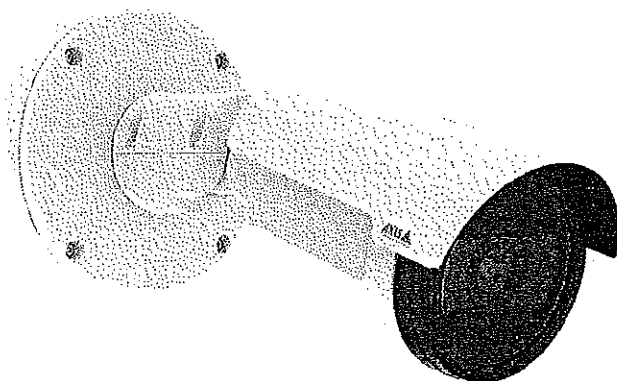
b. Method 505.7 with weathershield

AXIS P1468-LE Bullet Camera

Fully featured, all-around 4K surveillance

Based on ARTPEC-8, AXIS P1468-LE delivers excellent image quality in outstanding 4K. It includes a deep learning processing unit enabling advanced features and powerful analytics based on deep learning on the edge. With AXIS Object Analytics preinstalled, it offers detection and classification of humans, vehicles, and types of vehicles. This IP66/IP67, NEMA 4X, and IK10-rated camera can withstand winds up to 50 m/s. Lightfinder 2.0, Forensic WDR, and OptimizedIR, ensure sharp, detailed images under any light conditions. Furthermore, it includes Axis Edge Vault to protect your Axis device ID and simplify authorization of Axis products on your network.

- > Lightfinder 2.0, Forensic WDR, OptimizedIR
- > Analytics with deep learning
- > Audio and I/O connectivity
- > Built-in cybersecurity features
- > Impact and weather resistant



AXIS P1468-LE Bullet Camera

Camera

Image sensor	1/1.2" progressive scan RGB CMOS
Lens	Varifocal, 6.2–12.9 mm, F1.6–2.9 Horizontal field of view 108°–49° Vertical field of view 58°–27° Varifocal, remote focus and zoom, P-iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	With WDR and Lightfinder: Color: 0.07 lux, at 50 IRE F1.6 B/W: 0.01 lux, at 50 IRE F1.6 0 lux with IR illumination on
Shutter speed	1/66500 s to 2 s
System on chip (SoC)	
Model	ARTPEC-8
Memory	2 GB RAM, 8 GB Flash
Compute capabilities	Deep learning processing unit (DLPU)
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	3840x2160 to 160x90
Frame rate	With Forensic WDR: Up to 25/30 fps (50/60 Hz) in all resolutions No WDR: Up to 50/60 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode Video streaming indicator
Multi-view streaming	Up to 8 individually cropped out view areas
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, motion-adaptive exposure, defogging, barrel distortion correction, compression, orientation: auto, 0°, 90°, 180°, 270° including Corridor Format, mirroring of images, dynamic text and image overlay, polygon privacy masks Scene profiles: forensic, vivid, traffic overview
Pan/Tilt/Zoom	Digital PTZ, digital zoom Guard tour (max 100), control queue, fixed orientation aid
Audio	
Audio streaming	Audio in, simplex, two-way audio via edge-to-edge technology
Audio encoding	24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input or line input, digital audio input, ring power, network speaker pairing
Network	
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, user access log, centralized certificate management
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ⁴ , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NIS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org

Onscreen controls	Video streaming indicator Day/night shift Defog WDR Privacy masks Media clip Light control
Event conditions	Audio: audio clip playing, audio clip currently playing Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active Digital audio: digital signal contains Axis metadata, digital signal has invalid signal rate, digital signal missing, digital signal okay Edge storage: recording ongoing, storage disruption, storage health issues detected I/O: digital input, manual trigger, virtual input MQTT subscribe Scheduled and recurring: schedule Video: average bitrate degradation, day-night mode, tampering
Event actions	Day-night mode, overlay text, WDR mode Audio clips: play, stop I/O: toggle I/O once, toggle I/O while the rule is active Illumination: use lights, use lights while the rule is active MQTT: publish Notification: HTTP, HTTPS, TCP and email Record video: SD card and network share SNMP traps: send, send while the rule is active Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
Built-in installation aids	Pixel counter, remote zoom, remote focus, auto rotation
Analytics	
AXIS Object Analytics	Object classes: humans, vehicles (types: cars, buses, trucks, bikes) Features: line crossing, object in area, crossline counting ^{BETA} , occupancy in area ^{BETA} Up to 10 scenarios Metadata visualized with color-coded bounding boxes Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event
Metadata	Object data: Classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Applications	Included AXIS Object Analytics AXIS Video Motion Detection, active tampering, shock detection, audio detection, orientation aid Supported AXIS Perimeter Defender, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/ocap
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)
Network security	IEEE 802.1X (EAP-TLS) ^a , IEEE 802.1AR, HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	AXIS OS Hardening Guide Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources

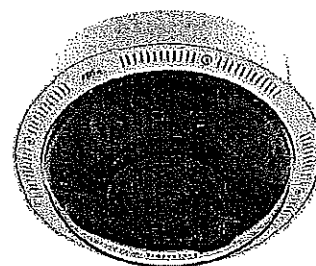
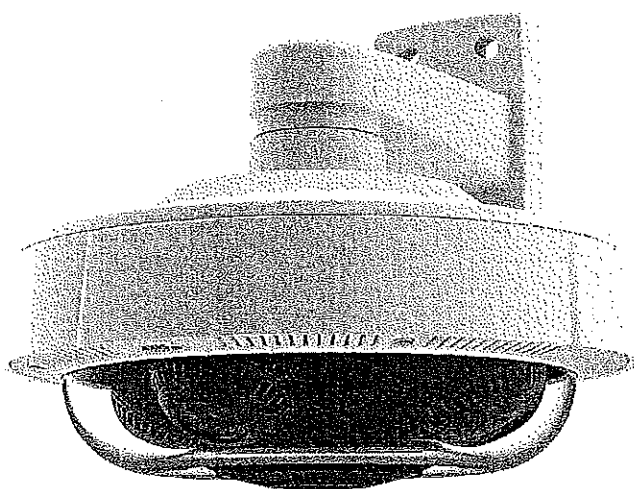
To read more about Axis cybersecurity support, go to axis.com/cybersecurity		FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A	
General	Casing	IP66/IP67-, NEMA 4X-, and IK10-rated casing Polycarbonate blend and aluminium Color: white NCS S 1002-B For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting .	Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), ISO 21207 (Method B) Network NIST SP500-267
Sustainability	PVC and BFR/CFR free	Weight	With weather shield: 1.2 kg (2.65 lb)
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 7.7 W, max 12.95 W 10-26 V DC, typical 7.6 W, max 12.95 W	Dimensions	Ø132 x 280 mm (Ø5.2 x 11.0 in)
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T 3.5 mm mic/line in Terminal block for 1 supervised alarm input and 1 output (12 V DC output, max. load 25 mA) DC input	Included accessories	Installation guide, Windows® decoder 1-user license, drill hole template, connector kit, mounting bracket, Torx® L-keys AXIS Weather Shield L
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (131 ft) or more depending on the scene	Optional accessories	AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans For more accessories, see axis.com
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS2 (2.2.7): 74 °C (165 °F) Start-up temperature: -40 °C Humidity 10-100% RH (condensing)	Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)	Warranty	5-year warranty, see axis.com/warranty
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55035, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2,	a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).	

AXIS P3727-PLE Panoramic Camera

4x2 MP multidirectional camera with IR for 360° coverage

AXIS P3727-PLE offers four channels with 2MP per channel at 30 fps. This multidirectional camera allows for flexible positioning of four varifocal camera heads. Each head can be controlled individually to capture scenes in four directions in wide-angle or zoomed-in views. It includes 360° IR illumination with individually controllable LEDs and an automatic IR cut filter. Plus, remote zoom and focus capabilities ensure fast and accurate installation. AXIS Edge Vault protects your Axis device ID and simplifies authorization of Axis products on your network. Furthermore, AXIS Object Analytics offers highly nuanced object classification and reliable detection with fewer false positives.

- > 4x2 MP at 30 fps per channel
- > 360° IR illumination with individually controlled LEDs
- > AXIS Edge Vault and TPM module
- > AXIS Object Analytics on one channel
- > Edge storage with 2x microSD card slots



AXIS P3727-PLE Panoramic Camera

Camera

Image sensor	4 x 1/2.8" progressive scan RGB CMOS
Lens	Varifocal, 3–6 mm, F1.8–2.6 4x1080p capture mode: Horizontal field of view: 96°–49° Vertical field of view: 53°–27° Diagonal field of view: 113°–55° Fixed iris, IR corrected, remote zoom and focus
Day and night	Automatically removable infrared-cut filter
Minimum illumination	With Forensic WDR and Lightfinder: Color: 0.17 lux at 50 IRE, F1.8 B/W: 0 lux at 50 IRE, F1.8
Shutter speed	1/32500 s to 2 s with 50 Hz 1/32500 s to 2 s with 60 Hz
Camera angle adjustment	Pan ±90°, tilt +25 to +95°, rotation –5 to +95°, twist ±20°
System on chip (SoC)	
Model	ARTPEC-7
Memory	1024 MB RAM, 512 MB Flash
Compute capabilities	Machine learning processing unit (MLPU)
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	4x 1920x1080 (4x 2 MP) to 4x 640x360
Frame rate	Up to 25/30 fps (50/60 Hz)
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 Low latency mode
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR, white balance, day/night threshold, tone mapping, exposure mode, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy masks
Audio	
Audio input/output	Audio features through portcast technology: two-way audio connectivity, voice enhancer A 30 W midspan or higher is required between AXIS T61 Audio and I/O interfaces and AXIS P3727-PLE.
Network	
IP address	One IP address for all channels
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, user access log, centralized certificate management, signed video, Axis Edge Vault, Axis device ID, secure keystore (CC EAL4 certified), TPM (FIPS 140-2 certified)
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTPS ^a , HTTP/2, TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ¹ , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S and ONVIF [®] Profile T, specification at onvif.org
Onscreen controls	IR illumination Autofocus Privacy mask
Event conditions	Audio: audio clip playing Device status: above operating temperature, above or below operating temperature, below operating temperature, casing

open, IP address removed, network lost, new IP address, storage failure, system ready, within operating temperature
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: manual trigger, virtual input
MQTT subscribe
Scheduled and recurring: scheduled event
Video: average bitrate degradation, day-night mode, live stream open, tampering

Event actions	Record video: SD card and network share MQTT publish Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Notification: email, HTTP, HTTPS, TCP, and SNMP trap Overlay text, play audio clip, day/night mode, status LED, IR illumination, MQTT
Built-in installation aids	Pixel counter, remote focus, remote zoom
Analytics	
AXIS Object Analytics	Object classes: humans, vehicles Features: line crossing, object in area Up to 10 scenarios Metadata visualized with trajectories, color-coded bounding boxes and tables Polygon include/exclude areas Perspective configuration ONVIF Motion Alarm event Available for one channel
Metadata	Object data: Classes: humans, faces, vehicles, license plates Confidence, position Event data: Producer reference, scenarios, trigger conditions
Applications	Included AXIS Object Analytics, AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL 6+), Axis device ID, secure keystore, signed video, secure boot
Network security	IEEE 802.1X (EAP-TLS) ^a , IEEE 802.1AR, HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
General	
Casing	IP66-, IP67-, NEMA 4X- and IK09-rated impact-resistant, aluminum and plastic casing with polycarbonate hard-coated dome Color: white NCS S 1002-B Dome intrusion switch For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ½" (M20) conduit side entry
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 IR illumination on ^b : Class 4, typical 12.5 W, max 21.7 W IR illumination off ^b : Class 3, typical 6.4 W, Class 4, max 15.0 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE

	Audio: Audio and I/O connectivity via portcast technology		NIST SP500-267
IR Illumination	Four individually controllable IR with power-efficient, long-life 850 nm IR LEDs Range of reach 15 m (50 ft) or more depending on the scene	Dimensions	Height: 92 mm (3.6 in) ø 255 mm (10.0 in)
Storage	Support for microSD/microSDHC/microSDXC card Dual SD cards Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com	Weight	2.0 kg (4.4 lb)
Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)	Included accessories	Installation guide, Windows® decoder I-user license, connector guard, screw bit T20
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)	Optional accessories	AXIS T94N01D Pendant Kit, AXIS T94N01L Recessed Mount ^c , AXIS TP3814-E Black Casing, AXIS TP3815-E Smoked Dome, Axis cabinets AXIS Surveillance Cards For more accessories, see axis.com
Approvals	EMC EN 50121-4, EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, KC KN32 Class A, KC KN35, RCM AS/NZS CISPR 32 Class A, VCCI Class A Safety CAN/CSA-C22.2 No. 60950-22, CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, IEC 62471, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK09, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network	Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
		Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
		Warranty	5-year warranty, see axis.com/warranty

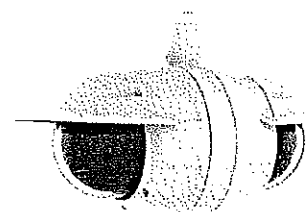
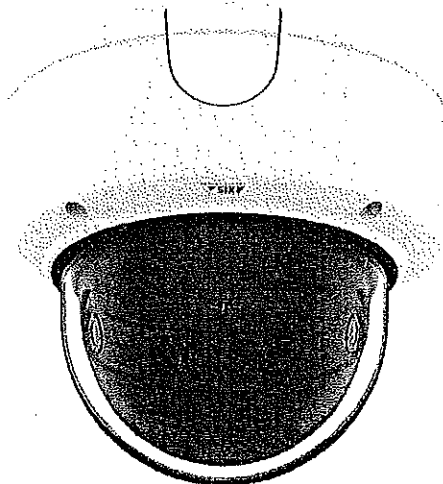
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eyay@cryptsoft.com).
- Typical power consumption at ambient temperature 20°C (68°F) and maximum power consumption at -30°C (-22°F)
- The camera's tampering alarm doesn't work when mounted in AXIS T94N01L Recessed Mount

AXIS P3807-PVE Network Camera

Panoramic camera for seamless, 180° coverage

AXIS P3807-PVE Network Camera is a fixed dome camera with multiple sensors, providing an easy, reliable and cost-efficient one-camera installation – reducing installation time, cabling and VMS license costs. Thanks to its excellent image sensors, along with Forensic WDR and Lightfinder technology, it provides great video quality in any light conditions. Its four sensors give a seamless 180° panoramic overview, at up to 30 fps in 8.3 MP resolution. The camera is easy to install as recessed, flush, pendant, back-to-back, and comes with adjustable preset camera positions.

- > Seamlessly stitched images
- > 180° horizontal and 90° vertical coverage
- > 8.3 MP resolution at full frame rate
- > Axis Lightfinder and Forensic WDR
- > Axis Zipstream for reduced bandwidth and storage needs



AXIS P3807-PVE Network Camera

Camera

Image sensor	4 x 1/2.9" progressive scan RGB CMOS
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90° M12 mount
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.17 lux, F2.0 B/W: 0.05 lux, F2.0
Shutter speed	1/33500 to 1/10 s
Camera angle adjustment	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±5°

System on chip (SoC)

Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	4320x1920 to 480x270
Frame rate	8.3 MP (client dewarp): up to 25/30 fps (50/60 Hz) without WDR, up to 12.5/15 fps (50/60 Hz) with WDR 7.5 MP (dewarped): up to 12.5/15 fps (50/60 Hz)
Video streaming	8.3 MP (client dewarp): 1 individually configurable stream in H.264 and Motion JPEG 7.5 MP (dewarped): 2 individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264

Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: up to 120 dB depending on scene, white balance, day/night threshold, exposure mode, compression, dynamic text and image overlay, exposure control, noise reduction, fine tuning of behavior at low light, polygon privacy masks
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Audio

Audio input/output	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
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Network

Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^b , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org
Event triggers	Analytics, edge storage events, shock detection MQTT subscribe
Event actions	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS TCP MQTT publish
Data streaming	Event data

Built-in installation aids

Pixel counter, leveling guide

Analytics

Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Video Motion Detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
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General

Casing	IP66-/IP67- and NEMA 4X-rated, IK10-rated impact-resistant casing with polycarbonate hard coated clear dome, aluminum base and dehumidifying membrane Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Mounting	Mounting bracket with junction box holes (double-gang, single-gang, 4" square, and 4" octagon) ¾" (M25) conduit side entries
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 7 W, max 12.9 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-30 °C to 50 °C (-22 °F to 122 °F) -20 °C to 50 °C (-4 °F to 122 °F) when using AXIS T61 Audio and I/O Interface Series Maximum temperature (intermittent): 60 °C (140 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60629 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7–2.2.9) Network NIST SP600-267
Dimensions	Height: 166 mm (6.54 in) Width without weathershield: 198 mm (7.8 in) Width with weathershield: 206 mm (8.1 in)
Weight	2.0 kg (4.5 lb)
Mounting height	Recommended: 4–15 m
Included accessories	Installation guide, Windows decoder 1-user license, Resistox [®] L-key, weathershield, mounting bracket, cable gasket, Axis U-shape conduit adapter 30 mm
Optional accessories	AXIS T94V01C Dual Camera Mount, AXIS T94V02D Pendant Kit, AXIS T94V01L Recessed Mount, AXIS T91B47 Pole Mount For more accessories, see axis.com
Video management software	AXIS Companion [®] , AXIS Camera Station, video management software from Axis Application Development Partners available on axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

Warranty 5-year warranty, see axis.com/warranty

b. *Compatible with 7.5 MP (dewarped) only.*

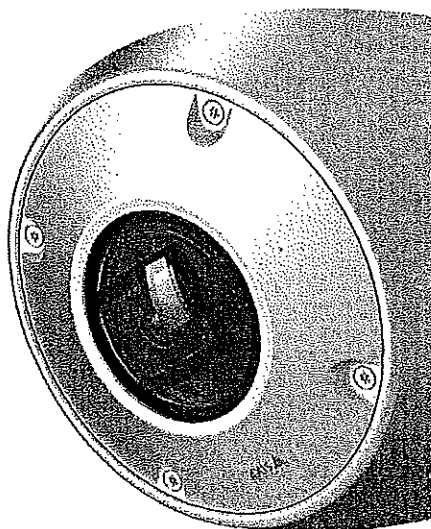
- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (cay@cryptsoft.com).*

AXIS Q9216-SLV Network Camera

Impact-resistant anti-ligature camera

AXIS Q9216-SLV is a compact and robust ligature-resistant (anti-ligature) corner-mount camera that delivers 4 MP video quality. It covers 125 degrees horizontally and 95 degrees vertically, with no blind spots. Featuring invisible IR illumination, it's ideal for covert video surveillance in complete darkness. With an IK11/IP66 rated casing, it also includes a removable built-in microphone and an indication LED. The camera has polygonal privacy masking, which allows for flexible coverage and helps ensure occupant privacy is respected. Furthermore, signed firmware and a Trusted Platform Module (TPM, FIPS 140-2 level 2 certified) help prevent unauthorized access and safeguard your system.

- > Anti-ligature, robust (IK11)
- > Corner camera – no blind spots
- > WDR and invisible IR (940 nm)
- > Compact design – easy to install
- > Zipstream supporting H.264 and H.265



AXIS Q9216-SLV Network Camera

Models	AXIS Q9216-SLV Network Camera Steel AXIS Q9216-SLV Network Camera White
Camera	
Image sensor	1/2.5" progressive scan RGB CMOS
Lens	2.4 mm, F2.0 Horizontal field of view: 125° Vertical field of view: 95° Fixed focus, fixed iris, M12 mount
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.23 lux at F2.1 B/W: 0.05 lux at F2.1 0 lux with IR illumination on
Shutter speed	1/32500 s to 1/5 s
System on chip (SoC)	
Model	S5L
Memory	1024 MB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High profile H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG
Resolution	2304 x 1728 to 320x240
Frame rate	Up to 30/25 fps (60/50 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265 HDMI
Multi-view streaming	2 individually cropped out view areas
HDMI output	HDMI 1080p (16:9) @25/30 fps (50/60 Hz) HDMI 720p (16:9) @50/60 fps (50/60 Hz)
Pan/Tilt/Zoom	Digital PTZ
Image settings	Saturation, contrast, brightness, sharpness, WDR, white balance, day/night threshold, exposure mode, compression, rotation: 0°, 90°, 180°, 270° including Corridor Format, mirroring, dynamic text and image overlay, polygon privacy mask
Audio	
Audio streaming	Two-way, full duplex
Audio encoding	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate
Audio input/output	External microphone input or line input, line output, built-in microphone (removable) Balanced audio in and audio out is supported
Network	
Security	IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, user access log, centralized certificate management
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP ^a , SNMP v1/v2c/v3(MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, SFTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, SIP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com One-Click Cloud Connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Event conditions	Analytics, shock detection, casing open, edge storage events, supervised external input, audio level, time scheduled

MQTT subscribe

Event actions	Call: answer, end SIP calls, make SIP calls Upload of images or video clips: FTP, HTTP, HTTPS, SFTP, email and network share Notification: HTTP, HTTPS, TCP and email Audio clips, day-night mode, guard tours, I/O, IR illumination, overlay text, power saving mode, preset positions, prioritized text, recordings, SNMP trap messages, status LED, WDR mode MQTT publish
Data streaming	Event data
Built-in	Pixel counter, adjustable IR illumination intensity
Installation aids	
Analytics	
Applications	Included AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard active tampering alarm Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Cybersecurity	
Edge security	Software: Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot
Network security	IEEE 802.1X (EAP-TLS) ^a , HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
General	
Casing	Anti-ligature and anti-grip stainless steel casing and polycarbonate hard-coated dome. IP68-, IP69-, IP6K9K- and NEMA 4X-rated IK11 50 joules impact-resistant Steel: Color: Stainless steel White: Color: White NCS S 1002-B For repainting instructions of casing and impact on warranty, contact your Axis partner.
Sustainability	PVC free, BFR/CFR free
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Max. 10.8 W Typical 4.7 W (default IR) Typical 3.9 W (power-saving mode with limited IR)
Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) 3.5 mm mic/line in, 3.5 mm line out HDMI type D
IR illumination	Power-efficient, long-life and invisible 940 nm IR LED. Range of reach up to 15 m (49 ft) depending on the scene Optional power-saving mode to minimize IR LED power consumption
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-20 °C to 50 °C (-4 °F to 122 °F) Maximum temperature (intermittent): 55 °C (131 °F) Start-up temperature: -20 °C (-4 °F) to 55 °C (131 °F) Humidity 10-85% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)

Approvals	EMC EN 50130-4, EN 55032 Class A, EN 55035, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, KC KN-32 Class A, KC KN-35, RCM AS/NZS CISPR 32 Class A, CISPR 24, CISPR 35
	Safety IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, IEC/EN 62471, IS 13252
Dimensions	Environment EN 50130-5 Class I, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66, EN 60529 IP69, ISO 20653 IP6K9K, IEC/EN 62262 IK11, NEMA 250 Type 4X
	Network NIST SP500-267
Weight	Height: 131 mm (5.16 in) Width: 209 mm (8.23 in) Depth: 176 mm (6.93 in) Height when corner-mounted: 116 mm (4.57 in) Depth when corner-mounted: 148 mm (5.83 in)

Included accessories	Installation guide, Windows® decoder 1-user license, AVHS Authentication key, AXIS Device Microphone A, AXIS Connector A 4-pin 2.5 straight, cable gaskets, RESISTORX® 20 bit
Optional accessories	AXIS TQ9601 Conduit Top Box, AXIS T8645 PoE+ over Coax Compact AXIS Surveillance Cards For more accessories, see axis.com
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty

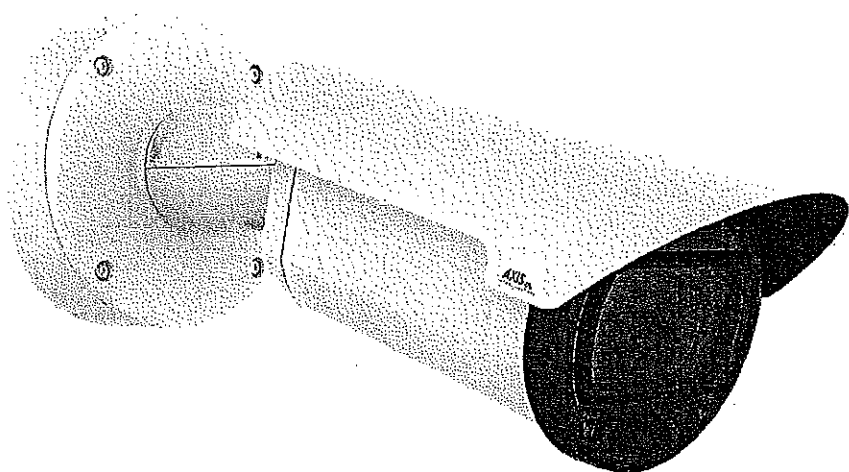
a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

AXIS Q1786-LE Network Camera

Robust, first-class 4 MP video with 32x optical zoom

AXIS Q1786-LE Network Camera is an all-integrated camera delivering 4 megapixel resolution and 32x optical zoom for easy and flexible installation at any distance as well as detailed video for identification. With a wide temperature range, impact resistance and IP66, IP67 and NEMA 4X ratings, this robust and reliable camera is ready for tough environments. Lightfinder, Forensic WDR and OptimizedIR with 80 m (262 ft) range ensure details in challenging light conditions and darkness. AXIS Q1786-LE offers built-in analytics for proactive surveillance, corridor format and audio in for video with sound. Furthermore, Axis Zipstream saves bandwidth while keeping high video quality.

- > 4 MP / Quad HD 1440p at up to 60 fps
- > -40 °C to 60 °C (-40 °F to 140 °F)
- > OptimizedIR with 80 m (262 ft) range
- > Electronic Image Stabilization
- > AXIS Guard Suite included



AXIS Q1786-LE Network Camera

Camera

Image sensor	1/1.8" progressive scan RGB CMOS
Lens	4.3–137 mm, F1.4–4.0 Horizontal field of view: 60°–2.3° Vertical field of view: 39°–1.3° Autofocus, auto-iris, automatic day/night Thread for 62 mm filters, max filter thickness: 5 mm
Day and night	Automatically removable infrared-cut filter in day mode and infrared-pass filter 720 nm in night mode
Minimum illumination	Color: 0.18 lux at 50 IRE F1.4 B/W: 0.04 lux at 50 IRE F1.4 0 lux with IR illumination on
Shutter speed	1/100000 s to 2 s
System on chip (SoC)	
Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	2560x1440 to 160x120 Maximum pixel density with 32x optical zoom: 25 m (82 ft): 2551 px/m 50 m (164 ft): 1275 px/m 250 m (820 ft): 255 px/m
Frame rate	With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions Without WDR: Up to 50/60 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image settings	Saturation, contrast, brightness, sharpness, Forensic WDR: Up to 120 dB depending on scene, defogging, white balance, day/night threshold, exposure mode, exposure zones, compression, mirroring of images, electronic image stabilization, barrel distortion correction, text and image overlay, dynamic text and image overlay, privacy masks Rotation: auto, 0°, 90°, 180°, 270° including Corridor Format Scene profiles: forensic, vivid, traffic overview, backlit entrance
Pan/Tilt/Zoom	32x optical zoom, preset positions
Audio	
Audio streaming	Audio in, simplex Two-way audio via edge-to-edge technology
Audio encoding	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM Configurable bit rate
Audio input/output	Automatic gain control, external microphone input, line input, digital input with ring power, balanced microphone, balanced input Network speaker pairing
Network	
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, signed firmware, brute force delay protection
Network protocols	IPv4, IPv6, USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS ^a , TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)
System integration	
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection One-click cloud connection ONVIF [®] Profile G, ONVIF [®] Profile M, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org

Onscreen controls	Electronic image stabilization Day/night shift Defogging Wide dynamic range IR illumination Autofocus
Event triggers	Analytics, edge storage events Supervised external input, virtual inputs through API, shock detection, audio detection MQTT subscribe
Event actions	Pre- and post-alarm video buffering File upload: FTP, SFTP, HTTP, HTTPS, network share and email MQTT publish Notification: email, HTTP, HTTPS, TCP and SNMP trap
Data streaming	Event data
Built-in installation aids	Remote zoom, pixel counter, leveling assistant, autorotation
Analytics	
Applications	Included AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard AXIS Video Motion Detection, active tampering alarm, gatekeeper Supported AXIS Perimeter Defender, AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
General Casing	IP66-, IP67-, and NEMA 4X-rated, IK10 impact-resistant aluminum enclosure with integrated dehumidifying membrane, IK08 impact-resistant glass front window, weathershield with black anti-glare coating Color: White NCS S 1002-B For repainting instructions of casing and impact on warranty, contact your Axis partner.
Sustainability	PVC free, 2% recycled plastic
Memory	1024 MB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 8.6 W, max 12.95 W 20–28 V DC, typical 8.6 W, max 13.8 W 20–24 V AC, typical 12.6 V A, max 20 V A
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE IDC punchdown connector DC Power connector Terminal block for two configurable supervised inputs / digital outputs (12 V DC output, max. load 50 mA) 3.5 mm mic/line in
IR illumination	Optimized IR with power-efficient, long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach 30 m (98 ft) in wide field of view and 80 m (262 ft) in full tele view, or more depending on the scene
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption (AES-XTS-Plain64 256bit) Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KCC KN32 Class A, KN35, EAC Safety IEC/EN/UL 62368-1, IEC/EN/UL 60950-22, EN/IEC 62471 IS 13252 Environment EN 50581, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-30, IEC 60068-2-27,

	IEC 60068-2-78, IEC/EN 60529 IP66, IP67, IEC/EN 62262 IK10 body, IK08 glass, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) Network NIST SP500-267	For more accessories, see axis.com
Dimensions	Length: 386 mm (15 3/16 in) ø 147 mm (5 13/16 in)	Video management software AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Weight	2.4 kg (5.3 lb)	Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Included accessories	Installation guide, Windows® decoder 1-user license, connector kit, Resistorx® L-key RJ45 patch cable	Warranty 5-year warranty, see axis.com/warranty
Optional accessories	AXIS T8604 Media Converter Switch AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket AXIS Q17 Front Window Kit B (IK10 impact-resistant plastic front window)	a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eoy@cryptsoft.com).



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203) 248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5785

Quote 2208-42

Rev 4
 Date: 8/2/2023

Expires: 9/1/2023

High School
 Security Systems

QTY.	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
174	XPCODL XProtect Corporate Device Licenses	\$251.62	\$43,781.01
174	YXCODL One Year Care Plus Support SUP Device Licenses	\$45.94	\$7,993.91
	II. CAMERAS -		
	A. Interior:		
100	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$86,320.00
8	5507-461 Axis T91B51 Ceiling mount	\$127.45	\$1,019.62
8	01189-001 Axis T91B53 Telescopic Pole	\$186.73	\$1,493.86
29	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$10,065.90
12	01190-001 Axis T94S01P Conduit Boxes	\$131.30	\$1,575.60
4	02416-001 Axis P4707-PLVE IP Fixed Dome Panoramic Camera	\$1,085.83	\$4,343.30
	B. Exterior - front of building and doors		
15	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$12,948.00
7	5506-481 Axis Wall Mount Bracket	\$48.41	\$338.88
7	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$477.20
7	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$338.88
14	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-iris remote	\$1,036.41	\$14,509.77
12	02373-001 Axis P3727-PL Network Camera 15MP IR 4 x Quad	\$1,431.61	\$17,179.34
12	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$81.15	\$973.75
12	01513-001 Axis T91D61 Wall Mount Fixed Dome Pendant Kits	\$97.81	\$1,173.74
4	5017-641 Axis T91A64 Corner Bracket	\$85.23	\$340.91
12	02172-004 Axis Midspan POE Single Port	\$76.44	\$917.28
1	Unistrut for mounting score board and dug out	\$150.00	\$150.00
3	PMP450I Cambium 5 GHz Access Points on HS Rooftop.	\$2,792.40	\$8,377.20
1	MXTX2012GxPA11 Cambium CNMATRIX TX2012R Intelligent ethernet POE Switch.	\$1,852.50	\$1,852.50
1	Cambium CRPS-AC-1200W Total Power	\$724.46	\$724.46
8	5871325H01 Cambium AC Power Photo Cell Adapter Kits	\$257.99	\$2,063.98
4	PTP450I Cambium 5GHz End Units.	\$1,020.50	\$4,082.00
8	PMP450I Cambium 5 GHz Subscriber Modules	\$858.00	\$6,864.00
15	PTP450I Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$1,969.50
3	Axis T98A15-VE Outdoor Vandal Resist Enclosures	\$312.00	\$936.00
3	TRENDnet 6 port Harden Switch	\$436.80	\$1,310.40
3	TRENDnet Din-Rail 120-Watt power supply	\$158.60	\$475.80
25000	849231 General Cable CAT6 Network Cable	\$0.39	\$9,750.00
380	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$380.38
158	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$3,953.95
158	3' Standard patch cables	\$2.30	\$363.56
1	Miscellaneous parts - conduit, connectors	\$5,000.00	\$5,000.00
	IV. SERVER:		
4	b. Milestone Server: D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$69,655.04
	V. INSTALLATIONS COSTS:		
1	YR Warranty	\$5,000.00	\$5,000.00
1	Project Management and Engineering	\$3,000.00	\$3,000.00
825	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$111,375.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$443,074.63
	Notes: 1. Network connection located at press box and softball field shed. 2. Continuous 110 power at the poles. 3. All IT Network Hardware being provided by Town: switches/patch panels. 4. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203) 248-8167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-40

Rev 4

Date: 8/2/2023

Expires: 9/1/2023

Clark Lane Middle School
 Re: Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
104	XPCODL XProtect Coporate Device Licenses	\$251.62	\$26,167.96
104	YXPPPLUSDL One Year Care Plus Support SUP Device Licenses	\$46.15	\$4,799.60
	II. CAMERAS -		
74	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$63,876.80
5	5506-481 Axis Wall Mount Bracket	\$48.41	\$242.06
5	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$340.86
5	5505-081 Axis T94K01D Pendent Kit	\$48.41	\$242.06
10	01190-001 Axis T94S01P conduit Boxes	\$131.30	\$1,313.00
4	5507-461 Axis T91B51 Ceiling mount	\$127.45	\$509.81
4	01189-001 Axis T91B53 Telescopic Pole	\$186.73	\$746.93
18	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$6,247.80
10	02373-001 Axis P3727-PLE Network Camera 15MP IR 4 x Quad	\$1,431.61	\$14,316.12
10	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$86.00	\$859.95
10	01513-001 Axis T91D61 Wall Moun Fixed Dome Pendant Kits	\$81.15	\$811.46
6	5017-641 Axis T91A64 Corner Bracket	\$76.44	\$458.64
8	02172-004 Axis Midspan POE Single Port	\$76.44	\$611.52
2	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-iris remote	\$1,036.41	\$2,072.82
18000	849231 General Cable CAT6 Network Cable	\$0.39	\$7,020.00
208	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$208.21
102	3' Standard patch cables	\$2.30	\$234.70
102	Hubbell surface mount boxes w/ Modular Jack	\$25.03	\$2,552.55
1	Miscellaneous parts - conduit, connectors	\$2,000.00	\$2,000.00
2	PTP450i Cambium 5 GHz Suscriber Modules	\$1,135.19	\$2,270.37
2	PTP450i Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$262.60
2	Canopy Ilt Bracket Assembly	\$33.80	\$67.60
2	5871325H01 Cambium Photo Cell	\$257.99	\$515.97
	III. SERVER:		
3	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12C CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 2.84TB SSD R1 LIVE, 140TB (RAW) SATA R5 ARCHIVE, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M 2U Rack w/lt Rails - 3YR Dell NBD Basic hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$52,241.28
	IV. INSTALLATIONS COSTS:		
1	YR Warranty	\$3,000.00	\$3,000.00
1	Project Management and Engineering	\$2,000.00	\$2,000.00
510	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$68,850.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$264,840.67
	Notes: 1. Town to provide constant 110 power to the poles. 2. All IT Network Hardware being provided by Town: switches / patch panels. 3. Priced for Prevailing Wage = Labor.		
	THANK YOU.		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203) 248-8167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-24

Rev 2

Date: 8/1/2023

Expiration: 9/1/2023

Great Neck School
 Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
56	XPCODL XProtect Corporate Device Licenses	\$251.62	\$14,090.44
56	YXCODL One Year Care Plus Support SUP Device Licenses	\$46.15	\$2,584.40
	II. CAMERAS -		
	a. Interior:		
17	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$837.20	\$14,232.40
1	01048-004 Axis P3807-PVE IP Fixed Dome, 180 Degree	\$1,333.61	\$1,333.61
20	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$6,942.00
	b. Exterior:		
6	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$837.20	\$5,023.20
5	5506-481 Axis Wall Mount Bracket	\$48.41	\$242.06
5	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$340.86
5	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$242.06
7	02373-001 Axis P3727-PLE Network Camera 15MP IR 4 x Quad	\$1,431.61	\$10,021.28
7	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$86.00	\$601.97
7	01513-001 Axis T91D61 Wall Mount Fixed Dome Pendant Kits	\$81.15	\$568.02
3	5017-641 Axis T91A64 Corner Bracket	\$76.44	\$229.32
3	01470-001 Axis T91B57 Pole Mount Kit	\$372.29	\$1,116.88
7	02172-004 Axis Midspan POE Single Port	\$76.44	\$535.08
5	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-Iris remote	\$1,036.41	\$5,182.06
8	PTP450i Cambium GGHZ End Units	\$1,135.19	\$9,081.49
8	5871325H01 Cambium AC Power Photo Cell Adapter Kits	\$257.99	\$2,063.88
8	PTP450i Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$1,050.40
4	Tilt Bracket Assembly	\$33.98	\$135.93
4	Canopy Universal Mounting Bracket	\$49.92	\$199.68
52	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$1,301.30
52	3' Standard patch cables	\$2.30	\$119.66
12500	849231 General Cable CAT6 Network Cable	\$0.39	\$4,875.00
112	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$112.11
1	Miscellaneous parts - conduit, connectors	\$2,250.00	\$2,250.00
	III. SERVER:		
1	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12C CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 2.84TB SSD R1 LIVE, 140TB (RAW) SATA R5 ARCHIVE, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M 2U Rack with Rails - 3YR Dell NBD Basic hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
	IV. INSTALLATIONS COSTS:		
1	YR Warranty	\$2,500.00	\$2,500.00
1	Project Management and Engineering	\$1,500.00	\$1,500.00
335	Installation of Equipment, Setup of Cameras, and Milestone Set-up.	\$135.00	\$45,225.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$151,113.84
	Notes: 1. Continuous 110 power at the poles. 2. All IT Network Hardware being provided by Town: switches/patch panels. 3. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203) 248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-22

Rev 3

Date: 8/2/2023

Expiration: 9/1/2023

Oswegatchie School
 Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
53	XPCODL XProtect Corporate Device Licenses	\$251.62	\$13,335.60
53	YXCODL One Year Care Plus Support SUP Device Licenses	\$46.15	\$2,445.95
	II. CAMERAS -		
	a. Interior:		
17	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$14,674.40
3	01190-001 Axis T94S01P Conduit Back Boxes	\$131.30	\$393.90
1	01048-004 Axis P3807-PVE IP Fixed Dome, 180 Degree	\$1,431.61	\$1,431.61
21	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$7,289.10
	b. Exterior:		
5	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$4,316.00
7	02373-001 Axis P3727-PLE Network Camera 15MP IR 4 x Quad	\$1,431.61	\$10,021.28
7	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$97.81	\$684.68
2	01513-001 Axis T91D61 Wall Moun Fixed Dome Pendant Kits	\$81.15	\$162.29
5	5017-641 Axis T91A64 Corner Bracket	\$85.62	\$428.09
2	01470-001 Axis T91B57 Pole Mount Kit	\$124.10	\$248.20
7	02172-004 Axis Midspan POE Single Port	\$76.44	\$535.08
2	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-iris remote	\$1,036.41	\$2,072.82
4	PTP450i Cambium GGHZ End Units	\$1,135.19	\$4,540.74
4	5871325H01 Cambium AC Power Photo Cell Adapter Kits	\$257.99	\$1,031.94
4	PTP450i Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$525.20
2	Tilt Bracket Assembly	\$33.98	\$67.96
4	Canopy Universal Mounting Braceket	\$49.92	\$199.68
10000	849231 General Cable CAT6 Network Cable	\$0.39	\$3,900.00
112	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$112.11
56	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$1,401.40
56	3' Standard patch cables	\$2.30	\$128.86
1	Miscellaneous parts - conduit, connectors	\$2,000.00	\$2,000.00
	III. SERVER:		
	Milestone Server:		
1	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
1	YR Warranty	\$2,000.00	\$2,000.00
1	Project Management and Engineering	\$1,200.00	\$1,200.00
272	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$36,720.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$129,280.66
	Notes: 1. Remote Access for programming is needed; 2. Town to provide constant 110 power to the poles. 3. All IT Network Hardware being provided by Town: switches / patch panels. 4. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203)248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote **2304-50**

Rev 1
 Date: 8/1/2023

Expiration: 9/1/2023

**Quaker Hill Add-On
 Security Systems**

QTY.	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
5	XPCODL XProtect Corporate Device Licenses	\$296.01	\$1,480.05
5	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$270.27
	II. CAMERAS -		
	a. Interior:		
4	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$3,452.80
	b. Exterior:		
1	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$863.20
1	5506-481 Axis Wall Mount Bracket	\$48.41	\$48.41
1	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$68.17
1	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$48.41
1	02373-001 Axis P3727-PL Network Camera Quad	\$1,431.61	\$1,431.61
1	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$86.00	\$86.00
1	01513-001 Axis T91D61 Wall Moun Fixed Dome Pendant Kits	\$81.15	\$81.15
1	5017-641 Axis T91A64 Corner Bracket	\$76.44	\$76.44
1	02172-004 Axis Midspan POE Single Port	\$76.44	\$76.44
1500	849231 General Cable CAT6 Network Cable	\$0.39	\$585.00
5	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$125.13
5	3' Standard patch cables	\$2.30	\$11.51
12	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$12.01
2	PTP450i Cambium 5GHz End Units.	\$1,135.19	\$2,270.37
2	PTP450i Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$262.60
1	5871325H01 Cambium Photo Cell	\$257.99	\$257.99
2	Tilt Bracket Assembly	\$33.80	\$67.60
	III. INSTALLATIONS COSTS:		
1	YR Warranty	\$1,000.00	\$1,000.00
1	Project Management and Engineering	\$750.00	\$750.00
62	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$8,370.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$21,695.15
	Notes: 1. All IT Hardware being provided by Town: switches / patch panels. 2. Town will supply remote access for programming of systems. 3. Priced for Prevailing Wage = labor.		
	THANK YOU		



Quote by Stephanie Seymour
O: 203-287-1306 C: 203-974-9070

To: Jeff Robillard

Director of Information Technology
Town of Waterford
jrobillard@waterfordct.org

Quote #: 2209-15
Rev 2
Date: 8/1/2023

Expires: 9/1/2023

Waterford Police Department
Town of Waterford

Qty.	Description	Each	Extended
I. MILESTONE SOFTWARE:			
67	XPCODL XProtect Corporate Device Licenses	\$298.01	\$19,832.67
67	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$3,621.62
II. CAMERAS -			
A. Exterior -			
5	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$4,316.00
2	5506-481 Axis Wall Mount Bracket	\$48.41	\$96.82
2	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$136.34
2	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$96.82
3	01190-001 Axis T94S01P Conduit Boxes	\$131.30	\$393.90
5	02373-001 Axis P3727-PLV Network Camera Quad	\$1,431.81	\$7,158.06
5	5504-821 Axis T91D81 Camera Wall Mount Bracket	\$81.15	\$405.73
5	01513-001 Axis T94N01D Pendant Kit w/	\$97.81	\$489.06
1	5017-841 Axis T1A84 Corner Bracket	\$85.62	\$85.62
3	01473-001 Axis 91B67 Pole Mount 65-165 mm	\$124.10	\$372.29
5	02172-004 Axis Midspan, POE Single Port	\$76.44	\$382.20
4	02342-001 Axis P1468-LE IP 4K Bullet Camera 1080P D/N P-Iris	\$1,036.41	\$4,146.65
B. Interior Camera:			
10	01766-001 Q9216-SLV Steel Axis Fixed Dome Camera for calls.	\$1,224.15	\$23,258.76
4	01767-001 Q9216-SLV Axis Steel Fixed Dome Cameras for calls	\$1,224.15	\$4,896.58
26	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$21,580.00
5	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$1,735.50
11000	849231 General Cable CAT8 Network Cable	\$0.39	\$4,290.00
67	3' Standard patch cables	\$2.30	\$154.17
67	Hubbell surface Mount Boxes w/ Modular Jack	\$25.03	\$1,676.68
134	100010C EX-RJ45 Cat6 Connectors	\$1.04	\$139.29
III. NETWORK:			
1	TRENDnet 6-port Hardened Unmanaged Gigabit	\$247.09	\$247.09
1	DIN Rails	\$13.00	\$13.00
1	DIN-Rail Power Supply	\$66.24	\$66.24
2	PTP450i Cambium 5 GHz Access Points	\$3,315.00	\$6,630.00
3	PMP450i Cambium 5 GHz Subscriber Modules	\$852.51	\$2,557.54
2	PTP450i Cambium 5 GHz End Units	\$1,020.84	\$2,041.29
5	5871325H01 Cambium AC Power Photo Cell Adapter Kits	\$257.99	\$1,289.93
8	PMP 30W, 56V Power Supply	\$29.77	\$238.16
7	1' AC Line cord for PTP450	\$5.62	\$39.31
7	Canopy Surge Suppressor	\$35.43	\$247.98
4	Canopy Universal Mounting Bracket	\$49.92	\$199.68
3	Tilt Bracket Assembly	\$33.98	\$101.95
1	5900-151 Axis T98A15-VE Outdoor Vandal Resist Enclosure	\$325.52	\$325.52
1	5010-671 Axis T95A87 Pole Bracket for Cabinets	\$137.33	\$137.33
IV. SERVER:			
2	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$34,827.52
V. INSTALLATIONS COSTS:			
1	YR Warranty	\$2,000.00	\$2,000.00
1	Project Management and Engineering	\$1,000.00	\$1,000.00
1	Installation of Equipment, Setup of Cameras, Camera Views, and Milestone Set-up.	\$52,000.00	\$52,000.00
Cost of Equipment and Labor:			\$203,226.28
Customer to provide:			
1. Routing done by IT Department			
2. Continuous 110 power at the poles.			
3. Continuous 110 power at the gas pumps accessible for this project.			
4. Remote Access for programming is needed.			
5. All IT Hardware being provided by Town: switches / patch panels.			
6. Priced for Prevailing Wage = labor.			
THANK YOU			



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203)248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-29

Rev 3

Date: 8/2/2023

Expires: 9/1/2023

EOC
 Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
14	XPCODL XProtect Corporate Device Licenses	\$296.01	\$4,144.14
14	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$756.76
	II. CAMERAS -		
	a. Interior:		
6	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$5,179.20
4	02374-001 Axis M3086-V Fixed Dome Camera 2.4mm 130	\$347.10	\$1,388.40
	b. Exterior:		
1	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$863.20
3	02373-001 Axis P3727-PLV Network Camera 15MP IR 4 x Quad	\$1,431.61	\$4,294.84
3	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$97.81	\$293.44
3	01513-001 Axis T91D61 Wall Moun Fixed Dome Pendant Kits	\$81.15	\$243.44
3	5017-641 Axis T91A64 Corner Bracket	\$85.62	\$256.86
3	02172-004 Axis Midspan POE Single Port	\$76.44	\$229.32
2500	849231 General Cable CAT6 Network Cable	\$0.39	\$975.00
30	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$30.03
14	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$350.35
14	3' Standard patch cables	\$2.30	\$32.21
1	Miscellaneous parts - conduit, connectors	\$300.00	\$300.00
	III. SERVER:		
1	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12C CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 2.84TB SSD R1 LIVE, 140TB (RAW) SATA R5 ARCHIVE, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M 2U Rack with Rails - 3YR Dell NBD Basic hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
	IV. Installation:		
1	YR Warranty	\$1,500.00	\$1,500.00
1	Project Management and Engineering	\$300.00	\$300.00
68	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$9,180.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$47,730.93
	Notes: 1. All IT Network Hardware being provided by Town: switches / patch panels. 2. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour

920 SHERMAN AVENUE HAMDEN, CT 06514

(203) 287-1306 FAX (203) 248-9187

ATTN: Jeff Robillard

Town of Waterford

jrobillard@waterfordschools.org

860-625-5785

Quote 2211-78

Rev 5

Date: 8/2/2023

Expires: 9/1/2023

Municipal Complex
Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
I. MILESTONE SOFTWARE:			
13	XPCODL XProtect Corporate Device Licenses	\$296.01	\$3,848.13
13	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$702.70
II. CAMERAS:			
5	01178-001 Axis M3058-PLVE Fixed Dome Camera 2982x2992 (12MP)	\$863.20	\$4,316.00
1	5506-481 Axis Wall Mount Bracket	\$48.41	\$48.41
1	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$68.17
1	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$48.41
4	02418-001 Axis P4707-PLVE IP Fixed Dome Panoramic Camera	\$1,085.83	\$4,343.30
4	5504-641 Axis T91B63 Robust ceiling pole mount.	\$127.92	\$511.68
4	5504-641 Axis T94N02D Pednant Kit	\$127.92	\$511.68
2	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-Iris remote	\$1,036.43	\$2,072.85
2	01162-001 Axis Q1786-LE Distance Bullet	\$1,442.04	\$2,884.08
2500	849231 General Cable CAT6 Network Cable	\$0.39	\$975.00
26	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$26.03
13	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$325.33
13	3' Standard patch cables	\$2.30	\$29.91
1	Miscellaneous parts - conduit, connectors	\$300.00	\$300.00
III. NETWORK:			
2	PTP450i Cambium 5GHz End Units	\$1,134.90	\$2,269.80
2	PMP 30W, 56V Power Supply	\$23.40	\$46.80
2	PTP450i Kit w/ PMP 30W, 56V Power Supply, surge Suppressor, 1' line cord and Universal mount.	\$131.30	\$262.60
60	Wuperior Armored Cat 5e Outdoor Ethernet Cable	\$1.43	\$85.80
2	Axis T98A15-VE Outdoor Vandal Resist Enclosures	\$325.52	\$651.04
2	Axis T95A67 Pole Bracket for Cabinets	\$137.33	\$274.66
2	TRENDnet 6 port Harden Switch	\$434.20	\$868.40
2	TRENDnet Din-Rail w/ 120-Watt power supply	\$159.89	\$319.77
IV. SERVER:			
1	D75M180T82RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
V. INSTALLATIONS COSTS:			
1	YR Warranty	\$1,000.00	\$1,000.00
1	Project Management and Engineering	\$300.00	\$300.00
71	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up. Note climbing Rohn tower at transfer station.	\$135.00	\$9,585.00
TOTAL COST OF EQUIPMENT AND INSTALLATION:			\$54,089.32
Notes: 1. Routing done by IT Department 2. IT Hardware Equipment 3. Continuous 110 power at the poles. 4. Continuous 110 power at the gas pumps accessible for this project. 5. Remote Access for programming is needed. 6. Priced for Prevailing Wage = labor.			
THANK YOU			



Quoted by Stephanie D. Seymour

920 SHERMAN AVENUE HAMDEN, CT 06514

(203) 287-1306 FAX (203)248-9167

ATTN: Jeff Robillard

Waterfor Public Schools

Town of Waterford

jrobillard@waterfordschools.org

860-625-5765

Quote 2208-28

Rev 2

Date: 8/1/2023

Expiration: 9/1/2023

Library
Camera System

QTY.	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE:		
20	XPCODL XProtect Corporate Device Licenses	\$296.01	\$5,920.20
20	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$1,081.08
	II. CAMERAS -		
	a. Interior:		
8	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$6,905.60
5	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$1,735.50
	b. Exterior:		
2	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$1,726.40
2	02373-001 Axis P3727-PLV Network Camera Quad	\$1,431.61	\$2,863.22
2	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$86.00	\$171.99
2	01513-001 Axis T91D61 Wall Mount Fixed Dome Pendant Kits	\$97.81	\$195.62
2	5017-641 Axis T91A64 Corner Bracket	\$85.62	\$171.24
2	02172-004 Axis Midspan POE Single Port	\$76.44	\$152.88
3	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-iris remote	\$1,036.36	\$3,109.08
4500	849231 General Cable CAT6 Network Cable	\$0.39	\$1,755.00
40	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$40.04
20	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$500.50
20	3' Standard patch cables	\$2.30	\$46.02
1	Miscellaneous parts - conduit, connectors	\$750.00	\$750.00
	III. SERVER:		
1	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
	IV. INSTALLATIONS COSTS:		
1	YR Warranty	\$1,000.00	\$1,000.00
1	Project Management and Engineering	\$750.00	\$750.00
108	Installation of Equipment, Setup of Cameras, and Milestone Set-up.	\$135.00	\$14,580.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$60,868.13
	Notes: 1. All IT Network Hardware being provided by Town: switches / patch panels. 2. Priced for Prevailing Wage = labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203) 248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-26
 Rev 3
 Date: 8/2/2023
 Expiration: 9/1/2023

**Waterford Community Center
 Security Systems**

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
34	XPCODL XProtect Corporate Device Licenses	\$296.01	\$10,064.34
34	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$1,837.84
	II. CAMERAS -		
	a. Interior:		
15	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$12,948.00
10	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$3,471.00
	b. Exterior:		
4	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$3,452.80
4	5506-481 Axis Wall Mount Bracket	\$48.41	\$193.65
3	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$204.52
3	5505-081 Axis T94K01D Pendant Kit	\$48.41	\$145.24
1	02373-001 Axis P3727-PL Network Camera Quad	\$1,431.61	\$1,431.61
1	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$97.81	\$97.81
1	01513-001 Axis T91D61 Wall Mount Fixed Dome Pendant Kits	\$81.15	\$81.15
1	5017-641 Axis T91A64 Corner Bracket	\$85.62	\$85.62
1	02172-004 Axis Midspan POE Single Port	\$76.44	\$76.44
4	02342-001 Axis P1468-LE IP3 4K Bullet Camera 1080 D/N P-Iris remote	\$1,036.41	\$4,145.65
7000	849231 General Cable CAT6 Network Cable	\$0.39	\$2,730.00
34	Hubbell Surface Mount Box w/ Modular Jack Cat6	\$25.03	\$850.85
34	3' Standard patch cables	\$2.30	\$78.23
64	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$64.06
1	Miscellaneous parts - conduit, connectors	\$750.00	\$750.00
	III. SERVER:		
1	D75M180TB2RL-3216 Dell 12 Bay - WS 2022 STD, XEON 12 CPU, 32GB ECC RAM, 2x 480GB M2 R1 OS, 2x 3.85TB SSD R1 LIVE, 120TB (RAW) SATA R5 Archive, HW RAID, 4x1GbE NIC, 2x 800W PS, KB/M, 2U Rack with Rails - 3 YR Dell NBD Basic Hardware Warranty, 3 YR Seagate HDD Warranty.	\$17,413.76	\$17,413.76
	IV. INSTALLATIONS COSTS:		
1	YR Warranty	\$1,500.00	\$1,500.00
1	Project Management and Engineering	\$750.00	\$750.00
170	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$22,950.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$85,322.56
	Notes: 1. Town to provide constant 110 power to the poles. 2. All IT Network Hardware being provided by Town: switches / patch panels. 3. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quoted by Stephanie D. Seymour
 920 SHERMAN AVENUE HAMDEN, CT 06514
 (203) 287-1306 FAX (203)248-9167
 ATTN: Jeff Robillard
 Town of Waterford
jrobillard@waterfordschools.org
 860-625-5765

Quote 2208-31

Rev 2

Date: 8/1/2023

Expiration: 9/1/2023

Youth Bureau
 Security Systems

QTY	DESCRIPTION	PER UNIT	EXTENDED
	I. MILESTONE SOFTWARE:		
11	XPCODL XProtect Corporate Device Licenses	\$296.01	\$3,256.11
11	YXCODL One Year Care Plus Support SUP Device Licenses	\$54.05	\$594.59
	II. CAMERAS -		
	a. Interior:		
5	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$4,316.00
2	02374-001 Axis M3086-V Fixed Dome 2.4mm 130	\$347.10	\$694.20
	b. Exterior:		
3	01178-001 Axis M3058-PLVE Fixed Dome Camera 2992x2992 (12MP)	\$863.20	\$2,589.60
2	5506-481 Axis Wall Mount Bracket	\$48.41	\$96.82
2	5507-601 Axis T94R01B Corner Bracket	\$68.17	\$136.34
2	5505-081 Axis T94K01D Pendent Kit	\$48.41	\$96.82
1	02373-001 Axis P3727-PL Network Camera Quad	\$1,431.61	\$1,431.61
1	01513-001 Axis T94N01D Pendant Kit for Wall Mount	\$86.00	\$86.00
1	01513-001 Axis T91D61 Wall Moun Fixed Dome Pendant Kits	\$81.15	\$81.15
1	5017-641 Axis T91A64 Corner Bracket	\$76.44	\$76.44
1	02172-004 Axis Midspan POE Single Port	\$76.44	\$76.44
2500	849231 General Cable CAT6 Network Cable	\$0.39	\$975.00
11	Hubbell Surface Mount Box w/ Modeular Jack Cat6	\$25.03	\$275.28
11	3' Standard patch cables	\$2.30	\$25.31
22	100010C EX-RJ45 Cat6 Connectors	\$1.00	\$22.02
1	Miscellaneous parts - conduit, connectors	\$500.00	\$500.00
	III. SERVER:		
1	Move exiting Municipal Server to this facility, install and reprogram	\$1,200.00	\$1,200.00
	IV. INSTALLATIONS COSTS:		
1	YR Warranty	\$1,000.00	\$1,000.00
1	Project Management and Engineering	\$750.00	\$750.00
62	Installation of Equipment, Setup of Cameras, and Milestone Set-up. Set-up.	\$135.00	\$8,370.00
	TOTAL COST OF EQUIPMENT AND INSTALLATION:		\$26,649.74
	Notes: 1. Remote Access for programming is needed; 2. Town to provide constant 110 power to the poles. 3. All IT Network Hardware being provided by Town: switches / patch panels. 4. Priced for Prevailing Wage = Labor.		
	THANK YOU		



Quote #: 2111-54
Rev 1

Quoted by Stephanie Seymour
Office: 203-287-1306

Date: 8/4/2023

ATTN: Jeff Robillard

Expire: 9/4/2023

IT Manager

Town of Waterford

860-625-5765

jrobillard@waterfordct.org

Town of Waterford
M01-C05-202-01-6C4B7F
Upgrade to Corporate

Qty.	Description	Each	Extended
	UPGRADE TO CORPORATE:		
1	XPCOBT XProtect Corporate Base License	\$2,867.44	\$2,867.44
70	XPCODL XProtect Corporate Device Licenses	\$296.01	\$20,720.70
1	XPSWBL XProtect Smart Wall Base License	Included	Included
1	XPSWBL Xprotect Incident Manager BL	Included	Included
1	YXPCOBT 1 YR Care Plus for Corporate BL	\$518.10	\$518.10
70	YXPCODL 1 YR Care Plus for Corporate DL	\$54.05	\$3,783.78
4	Labor for Upgrade	\$150.00	\$600.00
	Cost to Upgrade from Pro+ to Corporate:		\$28,490.02
	Pro+ Trade in Credits:		\$8,523.24
	Total Cost to Upgrade:		\$19,966.77
	This pricing is good for 30 days. Net Terms 30 Days.		
	THANK YOU		

Notes:



Itemized Pricing

Quote Prepared For: Town of Waterford

Quote Expires: 9/6/2023

CPE MATERIAL

QTY	PART NUMBER	DESCRIPTION	UNIT PRICE	TOTAL PRICE
Waterford Camera Switches				
	C9300 24/24-Port Camera Switches (Incl. Stack Mod and Dual Pwr)			
1	C9300-48P-E	Catalyst 9300 48-port PoE+, Network Essentials	5,691.54	5,691.54
1	C9300-NW-E-48	C9300 Network Essentials, 48-port license	-	-
1	SC9300UK9-176	Cisco Catalyst 9300 XE 17.6 UNIVERSAL UNIVERSAL	-	-
1	PWR-C1-715WAC-P	715W AC 80+ platinum Config 1 Power Supply	-	-
1	PWR-C1-715WAC-P/2	715W AC 80+ platinum Config 1 SecondaryPower Supply	878.47	878.47
2	CAB-TA-NA	North America AC Type A Power Cable	-	-
1	C9300-SSD-NONE	No SSD Card Selected	-	-
1	STACK-T1-50CM	50CM Type 1 Stacking Cable	70.28	70.28
1	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	66.76	66.76
1	C9300-DNA-E-48	C9300 DNA Essentials, 48-Port Term Licenses	-	-
1	C9300-DNA-E-48-3Y	C9300 DNA Essentials, 48-port - 3 Year Term License	631.25	631.25
1	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	1,437.21	1,437.21
1	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	-	-
2	C9300-24P-E	Catalyst 9300 24-port PoE+, Network Essentials	3,369.32	6,738.64
2	C9300-NW-E-24	C9300 Network Essentials, 24-port license	-	-
2	SC9300UK9-176	Cisco Catalyst 9300 XE 17.6 UNIVERSAL UNIVERSAL	-	-
2	PWR-C1-715WAC-P	715W AC 80+ platinum Config 1 Power Supply	-	-
2	PWR-C1-715WAC-P/2	715W AC 80+ platinum Config 1 SecondaryPower Supply	878.47	1,756.94
4	CAB-TA-NA	North America AC Type A Power Cable	-	-
2	C9300-SSD-NONE	No SSD Card Selected	-	-
2	STACK-T1-50CM	50CM Type 1 Stacking Cable	70.28	140.56
2	CAB-SPWR-30CM	Catalyst Stack Power Cable 30 CM	66.76	133.52
2	C9300-DNA-E-24	C9300 DNA Essentials, 24-Port Term Licenses	-	-
2	C9300-DNA-E-24-3Y	C9300 DNA Essentials, 24-Port, 3 Year Term License	343.80	687.60
2	C9300-NM-8X	Catalyst 9300 8 x 10GE Network Module	1,437.21	2,874.42
2	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	-	-
C9200L 24/48-Port Camera Switches				
12	C9200L-24P-4X-E	Catalyst 9200L 24-port PoE+, 4 x 10G, Network Essentials	1,833.04	21,996.48
12	C9200L-NW-E-24	C9200L Network Essentials, 24-port license	-	-
12	CAB-TA-NA	North America AC Type A Power Cable	-	-
12	PWR-C5-BLANK	Config 5 Power Supply Blank	-	-
24	C9200-STACK-BLANK	Catalyst 9200 Blank Stack Module	-	-
12	C9200L-DNA-E-24	C9200L Cisco DNA Essentials, 24-port Term license	-	-
12	C9200L-DNA-E-24-3Y	C9200L Cisco DNA Essentials, 24-port, 3 Year Term license	390.68	4,688.16
12	NETWORK-PNP-NONE	Network Plug-n-Play Opt Out SKU	-	-
5	C9200L-48P-4X-E	Catalyst 9200L 48-port PoE+, 4 x 10G, Network Essentials	3,163.78	15,818.90
5	C9200L-NW-E-48	C9200L Network Essentials, 48-port license	-	-
5	CAB-TA-NA	North America AC Type A Power Cable	-	-
5	PWR-C5-BLANK	Config 5 Power Supply Blank	-	-
10	C9200-STACK-BLANK	Catalyst 9200 Blank Stack Module	-	-
5	C9200L-DNA-E-48	C9200L Cisco DNA Essentials, 48-port Term license	-	-
5	C9200L-DNA-E-48-3Y	C9200L Cisco DNA Essentials, 48-port, 3 Year Term license	717.32	3,586.60
5	NETWORK-PNP-NONE	Network Plug-n-Play Opt Out SKU	-	-
C9200CX Camera Switch				
1	C9200CX-12P-2X2G-E	Catalyst 9000 Compact Switch 12-Port PoE+, 240W, Essentials	1,072.62	1,072.62

1	C9200CX-NW-E-12	C9200CX Network Essentials, 12-port license	-	-
1	CAB-TA-NA	North America AC Type A Power Cable	-	-
1	SCAT9200CXUK9-179	Cisco Catalyst 9200CX XE 17.9 UNIVERSAL	-	-
1	C9200CX-DNA-E-12	C9200CX Cisco DNA Essentials, 12-Port Term Licenses	-	-
1	C9200CX-DNAE12-3Y	C9200CX Cisco DNA Essentials, 3Y Term License, 12P	148.53	148.53
1	NETWORK-PNP-LIC	Network Plug-n-Play Connect for zero-touch device deployment	-	-
1	RACKMNT-19-CMPACT	19 in Rackmount for 9200CX switches	52.71	52.71
1	C9200L - Stack Mods		-	-
2	C9200L-STACK-KIT=	Cisco Catalyst 9200L Stack Module	902.87	1,805.34
2	STACK-T4-50CM	50CM Type 4 Stacking Cable	-	-
4	C9200-STACK	Catalyst 9200 Stack Module	-	-
	C9200L (not for C9200CX) - Optional 2nd PS		-	-
17	PWR-C5-600WAC=	600W AC Config 5 Power Supply	1,676.68	28,503.56
17	CAB-TA-NA	North America AC Type A Power Cable	-	-
	Cisco Transceivers (1GB and 10GB Multimode SFP/SFP+)		-	-
25	SFP-10G-SR-S=	10GBASE-SR SFP Module, Enterprise-Class	308.94	7,723.50
4	GLC-SX-MMD=	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	255.86	1,023.44
1	Fiber Patch Cords		-	-
2	TPATCH-LCLC-01	1M LC-LC OM4 40G 50/125 Multimode Fiber Duplex Patch	4.81	9.62
1	TPATCH-LCLC-02	2M LC-LC OM4 40G 50/125 Multimode Fiber Duplex Patch	5.99	5.99
26	TPATCH-LCLC-03	3M LC-LC OM4 40G 50/125 Multimode Fiber Duplex Patch	7.16	186.16

PROJECT SUMMARY

Material Summary	107,728.80
Labor Summary	9,500.00
Subtotal	117,228.80
Total Customer Price	117,228.80

- * All work to be performed during normal business hours Monday through Friday between 8:00am and 5:00pm unless otherwise specified.
- * Additional taxes may apply to both upfront and monthly charges and vary by location.



A quote for your consideration

Based on your business needs, we put the following quote together to help with your purchase decision. Below is a detailed summary of the quote we've created to help you with your purchase decision.

To proceed with this quote, you may respond to this email, order online through your **Premier page**, or, if you do not have Premier, use this **Quote to Order**.

Quote No.	3000158205095.1	Sales Rep	William Pedace
Total	\$26,021.58	Phone	(800) 456-3355, 6182498
Customer #	97884266	Email	William_Pedace@Dell.com
Quoted On	Aug. 08, 2023	Billing To	ACCOUNTS PAYABLE
Expires by	Sep. 07, 2023		CT-L TOWN OF WATERFORD
	Dell National Cooperative		15 ROPE FERRY RD
Contract Name	Purchasing Alliance-NCPA		WATERFORD, CT 06385
	Master Agreement		
Contract Code	C000000005600		
Customer Agreement #	NCPA 01-42		
Deal ID	25736196		

Message from your Sales Rep

All Orders are now being processed thru Self-Checkout-Online. Simple, Fast, and Secure. -Log into Premier Portal to place your order. If you do not have one, ask me how you can get a personal page. -If your Premier Page has not been set up yet, you can click and process your order at www.dell.com/qto and choose 'Checkout as a Guest'

Regards,
William Pedace

Shipping Group

Shipping To	Shipping Method
WATERFORD TOWN HALL CT-L TOWN OF WATERFORD 15 ROPE FERRY RD WATERFORD, CT 06385-2886 (860) 442-0553	Standard Delivery

Product	Unit Price	Quantity	Subtotal
Precision 3660 Tower	\$1,979.28	13	\$25,730.64
VisionTek Mini DisplayPort to DisplayPort 2M Cable (M/M)	\$11.19	26	\$290.94

Subtotal:	\$26,021.58
Shipping:	\$0.00
Non-Taxable Amount:	\$26,021.58
Taxable Amount:	\$0.00
Estimated Tax:	\$0.00
Total:	\$26,021.58

Shipping Group Details

Shipping To

WATERFORD TOWN HALL
CT-L TOWN OF WATERFORD
15 ROPE FERRY RD
WATERFORD, CT 06385-2886
(860) 442-0553

Shipping Method

Standard Delivery

	Quantity	Subtotal
Precision 3660 Tower	13	\$25,730.64

Estimated delivery if purchased today:
Aug. 14, 2023
Contract # C000000005600
Customer Agreement # NCPA 01-42

Description	SKU	Unit Price	Quantity	Subtotal
Precision 3660 Tower BTX BASE	210-BCUQ	-	13	-
13th Generation Intel Core i7-13700 (30MB Cache, 16 Core (8+8), 2.1GHz to 5.2GHz (65W)) TDP	338-CKHZ	-	13	-
VR Heatsink	412-ABBQ	-	13	-
Windows 11 Pro, English, French, Spanish	619-AQLP	-	13	-
No Microsoft Office License Included	658-BCSB	-	13	-
Nvidia RTX A2000 12GB, 12GB, 4 mDP (Precision 3660)	490-BHXF	-	13	-
32GB, 2x16GB, DDR5 up to 4400MHz UDIMM non-ECC memory	370-AGYF	-	13	-
No Hard Drive	400-AKZR	-	13	-
Dell KB216 Wired Keyboard English	580-ADJC	-	13	-
Intel ME vPRO	631-ADHW	-	13	-
ENERGY STAR Qualified	387-BBLW	-	13	-
EPEAT 2018 Registered (Gold)	379-BDZB	-	13	-
System Power Cord C13 (US 125V, 15A)	450-AH DU	-	13	-
Dell Optical Mouse - MS116 (Black)	570-ABIE	-	13	-
Print on Demand Label	389-BDQH	-	13	-
SHIP,PWS,LNK,NO,NO,AMF	340-CBUU	-	13	-
Ship material - EPEAT Certification	340-CZQO	-	13	-
Fixed Hardware Configuration	998-GCQC	-	13	-
Intel Core i7 vPro Enterprise Processor Label	389-EDDR	-	13	-
SupportAssist	525-BBCL	-	13	-
Dell(TM) Digital Delivery Cirrus Client	640-BBLW	-	13	-
Dell Optimizer for Precision	640-BBSC	-	13	-
Dell Premier Color 6.1	640-BBSN	-	13	-
Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)	658-BBMR	-	13	-
Waves Maxx Audio	658-BBRB	-	13	-
Dell SupportAssist OS Recovery Tool	658-BEOK	-	13	-
Quick Setup Guide, Precision 3660	340-CYVU	-	13	-
No Additional Network Card Selected (Integrated NIC included)	555-BBJO	-	13	-
8x DVD+/-RW 9.5mm Optical Disk Drive	429-ABDW	-	13	-

Bezel ODD	429-ABMR	-	13	-
Internal Speaker for Precision 3660	520-AAVW	-	13	-
No Hard Drive	400-AKZR	-	13	-
No Hard Drive	400-AKZR	-	13	-
512GB PCIe NVMe Class 40 M.2 SSD	400-BNGP	-	13	-
Thermal Pad 3660	412-AAZW	-	13	-
Precision 3660 Tower with 500W (80 Plus Platinum) PSU, RPL and ADL Compatible	321-BJJK	-	13	-
No Hard Drive	400-AKZR	-	13	-
C1 M.2 SSD Boot + SSD	449-BBXF	-	13	-
Dell Precision TPM	340-ACBY	-	13	-
No External ODD	429-ABGY	-	13	-
Standard CPU Air Cooler	412-ABBU	-	13	-
CMS Essentials DVD no Media	658-BBTV	-	13	-
No Hard Drive	400-AKZR	-	13	-
500W Platinum PSU Label	389-EDFT	-	13	-
No SATA RAID	780-BBCJ	-	13	-
Dell Limited Hardware Warranty Plus Service	997-2808	-	13	-
ProSupport Plus: 7x24 Technical Support, 5 Years	997-2861	-	13	-
ProSupport Plus: Keep Your Hard Drive, 5 Years	997-2870	-	13	-
ProSupport Plus: Accidental Damage Service, 5 Years	997-2879	-	13	-
ProSupport Plus: Next Business Day Onsite, 5 Years	997-6822	-	13	-
Thank you for choosing Dell ProSupport Plus. For tech support, visit www.dell.com/contactdell or call 1-866-516-3115	997-8367	-	13	-
Intel Rapid Storage Technology Driver, Precision 3660T	409-BCWP	-	13	-

Quantity Subtotal

VisionTek Mini DisplayPort to DisplayPort 2M Cable (M/M) \$11.19 26 \$290.94

Estimated delivery if purchased today:
Aug. 16, 2023
Contract # C000000005600
Customer Agreement # NCPA 01-42

Description	SKU	Unit Price	Quantity	Subtotal
VisionTek Mini DisplayPort to DisplayPort 2M Cable (M/M)	AA419441	-	26	-

Subtotal: \$26,021.58

Shipping: \$0.00

Estimated Tax: \$0.00

Total: \$26,021.58

Important Notes

Terms of Sale

This Quote will, if Customer issues a purchase order for the quoted items that is accepted by Supplier, constitute a contract between the entity issuing this Quote ("Supplier") and the entity to whom this Quote was issued ("Customer"). Unless otherwise stated herein, pricing is valid for thirty days from the date of this Quote. All product, pricing and other information is based on the latest information available and is subject to change. Supplier reserves the right to cancel this Quote and Customer purchase orders arising from pricing errors. Taxes and/or freight charges listed on this Quote are only estimates. The final amounts shall be stated on the relevant invoice. Additional freight charges will be applied if Customer requests expedited shipping. Please indicate any tax exemption status on your purchase order and send your tax exemption certificate to Tax_Department@dell.com or ARSalesTax@emc.com, as applicable.

Governing Terms: This Quote is subject to: (a) a separate written agreement between Customer or Customer's affiliate and Supplier or a Supplier's affiliate to the extent that it expressly applies to the products and/or services in this Quote or, to the extent there is no such agreement, to the applicable set of Dell's Terms of Sale (available at www.dell.com/terms or www.dell.com/oemterms), or for cloud/as-a-Service offerings, the applicable cloud terms of service (identified on the Offer Specific Terms referenced below); and (b) the terms referenced herein (collectively, the "Governing Terms"). Different Governing Terms may apply to different products and services on this Quote. The Governing Terms apply to the exclusion of all terms and conditions incorporated in or referred to in any documentation submitted by Customer to Supplier.

Supplier Software Licenses and Services Descriptions: Customer's use of any Supplier software is subject to the license terms accompanying the software, or in the absence of accompanying terms, the applicable terms posted on www.Dell.com/euia. Descriptions and terms for Supplier-branded standard services are stated at www.dell.com/servicecontracts/global or for certain infrastructure products at www.dell.com/en-us/customer-services/product-warranty-and-service-descriptions.htm.

Offer-Specific, Third Party and Program Specific Terms: Customer's use of third-party software is subject to the license terms that accompany the software. Certain Supplier-branded and third-party products and services listed on this Quote are subject to additional, specific terms stated on www.dell.com/offeringspecificterms ("Offer Specific Terms").

In case of Resale only: Should Customer procure any products or services for resale, whether on standalone basis or as part of a solution, Customer shall include the applicable software license terms, services terms, and/or offer-specific terms in a written agreement with the end-user and provide written evidence of doing so upon receipt of request from Supplier.

In case of Financing only: If Customer intends to enter into a financing arrangement ("Financing Agreement") for the products and/or services on this Quote with Dell Financial Services LLC or other funding source pre-approved by Supplier ("FS"), Customer may issue its purchase order to Supplier or to FS. If issued to FS, Supplier will fulfill and invoice FS upon confirmation that: (a) FS intends to enter into a Financing Agreement with Customer for this order; and (b) FS agrees to procure these items from Supplier. Notwithstanding the Financing Agreement, Customer's use (and Customer's resale of and the end-user's use) of these items in the order is subject to the applicable governing agreement between Customer and Supplier, except that title shall transfer from Supplier to FS instead of to Customer. If FS notifies Supplier after shipment that Customer is no longer pursuing a Financing Agreement for these items, or if Customer fails to enter into such Financing Agreement within 120 days after shipment by Supplier, Customer shall promptly pay the Supplier Invoice amounts directly to Supplier.

Customer represents that this transaction does not involve: (a) use of U.S. Government funds; (b) use by or resale to the U.S. Government; or (c) maintenance and support of the product(s) listed in this document within classified spaces. Customer further represents that this transaction does not require Supplier's compliance with any statute, regulation or information technology standard applicable to a U.S. Government procurement.

For certain products shipped to end users in California, a State Environmental Fee will be applied to Customer's invoice. Supplier encourages customers to dispose of electronic equipment properly.

Electronically linked terms and descriptions are available in hard copy upon request.

^DELL BUSINESS CREDIT (DBC): Offered to business customers by WebBank, who determines qualifications for and terms of credit. Taxes, shipping and other charges are extra and vary. The Total Minimum Payment Due is the greater of either \$20 or 3% of the New Balance shown on the statement rounded up to the next dollar, plus all past due amounts. Dell and the Dell logo are trademarks of Dell Inc.



Thank you for choosing CDW. We have received your quote.

Hardware Software Services IT Solutions Brands Research Hub

QUOTE CONFIRMATION

JEFFREY ROBILLARD,

Thank you for considering CDW•G for your technology needs. The details of your quote are below. **If you are an eProcurement or single sign on customer, please log into your system to access the CDW site.** You can search for your quote to retrieve and transfer back into your system for processing.

For all other customers, click below to convert your quote to an order.

Convert Quote to Order

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
NMKB350	8/4/2023	VIEWSONIC MONITORS	0343169	\$8,228.66

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
<u>ViewSonic VX3276-4K-MHD 32" 4K UHD Thin-Bezel Monitor with HDMI</u>	26	5637695	\$297.59	\$7,737.34
Mfg. Part#: VX3276-4K-MHD				
UNSPSC: 43211902				
Contract: Sourcewell 081419-CDW Tech Catalog (081419#CDW)				

SUBTOTAL \$7,737.34

SHIPPING \$0.00

SALES TAX ~~\$491.32~~

GRAND TOTAL \$8,228.66

PURCHASER BILLING INFO

Billing Address:
TOWN OF WATERFORD
ACCOUNTS PAYABL
15 ROPE FERRY RD
WATERFORD, CT 06385-2886
Phone: (860) 442-0553
Payment Terms: Net 30 Days-Govt State/Local

DELIVER TO

Shipping Address:
TOWN OF WATERFORD
JEFFREY ROBILLARD
15 ROPE FERRY RD
WATERFORD, CT 06385-2886
Phone: (860) 442-0553
Shipping Method: UPS Ground (2- 3 Day)

Please remit payments to:

CDW Government
75 Remittance Drive
Suite 1515
Chicago, IL 60675-1515



Sales Contact Info

Zach Kozlowski | (866) 291-3445 | zach.kozlowski@cdw.com

LEASE OPTIONS

FMV TOTAL	FMV LEASE OPTION	BO TOTAL	BO LEASE OPTION
\$7,737.34	\$217.34/Month	\$7,737.34	\$248.29/Month

Monthly payment based on 36 month lease. Other terms and options are available. Contact your Account Manager for details. Payment quoted is subject to change.

Why finance?

- Lower Upfront Costs. Get the products you need without impacting cash flow. Preserve your working capital and existing credit line.
- Flexible Payment Terms. 100% financing with no money down, payment deferrals and payment schedules that match your company's business cycles.
- Predictable, Low Monthly Payments. Pay over time. Lease payments are fixed and can be tailored to your budget levels or revenue streams.
- Technology Refresh. Keep current technology with minimal financial impact or risk. Add-on or upgrade during the lease term and choose to return or purchase the equipment at end of lease.
- Bundle Costs. You can combine hardware, software, and services into a single transaction and pay for your software licenses over time! We know your challenges and understand the need for flexibility.

General Terms and Conditions:

This quote is not legally binding and is for discussion purposes only. The rates are estimate only and are based on a collection of industry data from numerous sources. All rates and financial quotes are subject to final review, approval, and documentation by our leasing partners. Payments above exclude all applicable taxes. Financing is subject to credit approval and review of final equipment and services configuration. Fair Market Value leases are structured with the assumption that the equipment has a residual value at the end of the lease term.

Need Help?



My Account



Support



Call 800.800.4239

[About Us](#) | [Privacy Policy](#) | [Terms and Conditions](#)

This order is subject to CDW's Terms and Conditions of Sales and Service Projects at <http://www.cdw.com/content/terms-conditions/product-sales.aspx>

For more information, contact a CDW account manager

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Fencing

		\$ - Ft		\$ - Ft	
Intent		Linear Ft	Material	Installation	Potential cost
Oswegatchie	Full enclosure of all fields	700		17.33	28,231
Quaker Hill	Limiting egress to parking lot	175		17.33	7,058
Great Neck	Limiting egress to parking lot	275		17.33	11,091
Total		1,150			46,380

Bollards

		Linear Ft	Number of Bollards	Cost Per	Potential cost
Intent					
Oswegatchie	Limiting egress	60	15	500	7,500
Quaker Hill	Limiting egress	60	15	500	7,500
Great Neck	Limiting egress	90	23	500	11,250
Clark Lane	Limiting egress	120	30	500	15,000
WHS	Limiting egress	80	20	500	10,000
Total		410	103		51,250

Total security improvements

97,630

Bollards / Bollard: 4 in Outside Dia., 48 1/2 in...



Bollard: 4 in Outside Dia., 48 1/2 in Finished Ht, 48 1/2 in Overall Ht, Dome, Yellow

Item 31EX20 Mfr. Model 4"X36"EMB

Web Price \$420.46 / each

Qty

1

Add to Cart

☒ Ship

☐ Pickup

Expected to arrive Thu. Jun 22 - Fri. Jun 23.

Ship to 20146 | Change

Shipping Weight 45 lbs
Ship Availability Terms

☐ Compare

Product Details Catalog Page N/A

Add to List

- Bollard Item Bollard
- Bollard Function Fixed
- Mounting Surface Concrete
- Bollard Color Yellow
- Overall Height 48-1/2 in
- Bollard Material Carbon Steel
- Cap Shape Dome
- Lighted No
- Locking System None
- Outside Dia. 4 in
- Finished Height 48-1/2 in
- Net Weight 45 lb
- Wall Thickness 0.237 in
- Finish Powder Coated
- Bollard Shape Round
- Installation Depth 12 in
- Bollard Striping No

Country of Origin USA (subject to change)

Product Description

Fixed carbon steel bollards create a visual deterrent to protect pedestrians, equipment, or property. They mount on concrete or hard surfaces along walkways, streets, or parking lots to help control traffic. Carbon steel is strong and can be galvanized, primed for painting, and powder coated.



Town of Waterford
Jeff Robillard - IT Manager
11/29/2022

Re: Waterford High School & Clark Lane Middle School - NEW Main signs at each school

After conducting an initial survey of each school's current main signs, both are showing their age, approx 15+ years, both structures would need extensive retro-fitting to be able to fit the current dimensions of the available displays, with the High School being the worst, along with the less than secure ground support.

It's my believe that it would be more cost effective to replace both schools with the same identical message display center, same software, configuration etc.
Both would be ALL NEW from "under the ground up" with the difference being that the copy would change for the "Middle School" text along with the lower sign copy as well, if desired.

"Ballpark estimate" would include the removal of the current signs at each school.
Create a new v-carved top school sign and add an electronic message sign with two aluminum posts at approx. the same location as current school signs.

See attached designs as an example of the possible end result.

Many factors could change the overall final costs, existing power is available at both locations.
Landscaping below sign could be included or upgrade to a decorative block flower box as well, (maybe best suited for the High School location if desired).

Posts would be 6 x 6 white aluminum powder coated with matching caps, direct bury installation.
Top School Sign would be v-carved from 3" thick HDU (High Density Urethane) finished in several colors, double sided @ 47.5" x 90" shown with the "W" logo.

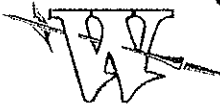
The message display if manufactured by Daktronics and is their GT6x Series @ 50" x 90"
2 displays back to back - RGB - 10mm, capable of multi colored messages in several lines of copy.
Also can display full color photos or video as well.
Ballpark Cost would also include all design services, all materials, labor, electrical connection, cement, hardware, and complete installation.

Ballpark Cost
\$ 62 - 66k each school

Thanks for the opportunity to quote this project for you!

John Wilson - Sign Craft

Sign Craft 5 Black Point Road (860) 739-2863 Niantic, CT 06357
SIGNCRAFTSIGNS.COM info@signcraftsigns.com



Clark Lane Middle School

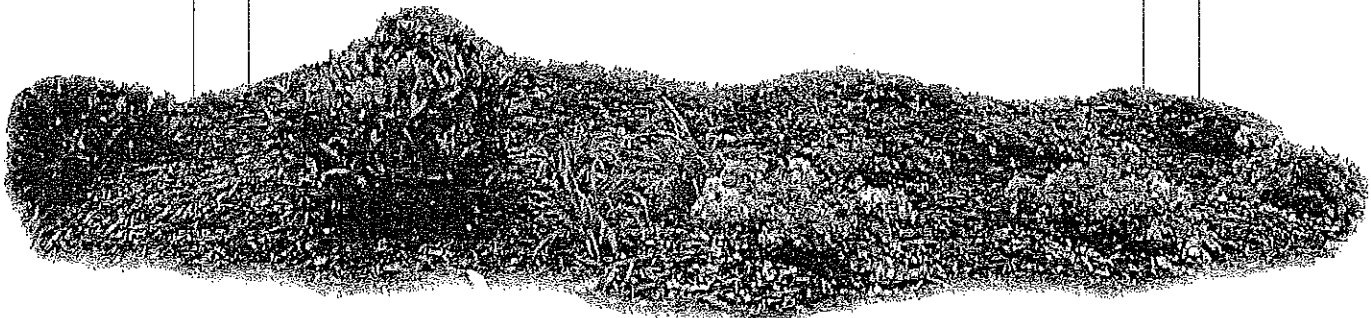


Home of CLMS Lancers!

50" high x 90" wide | Daktronics 10mm - GT6x Series
Double Sided - Full Color | Electronic Message Center

Top Sign 47.5" x 90" x 3"
Double Sided - V-Carved Sign

Bottom Sign 15 x 96 double sided



ALL DESIGNS ARE THE PROPERTY OF SIGN CRAFT, & CANNOT BE USED, REPRODUCED IN ANY FORM, WITHOUT PURCHASE OR CONSENT.

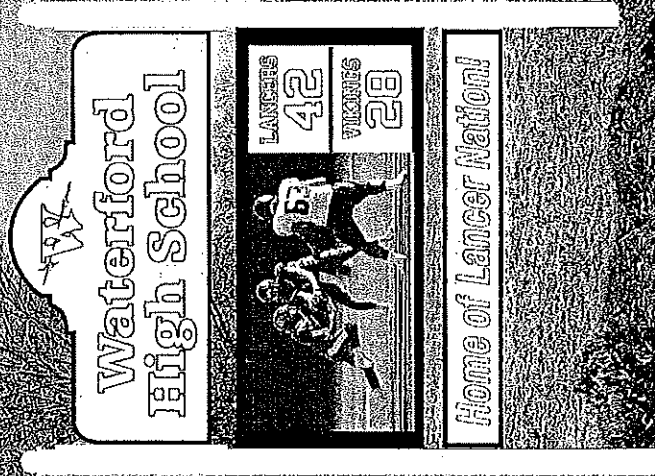
SIGNcraft
BETTER by DESIGN

John & Jill Wilson
FIVE BLACK POINT ROAD NIAHTIC, CT 06357
(860) 739-2863 info@signcraftsigns.com
SIGNCRAFTSIGNS.COM



Waterford High School

50" high x 90" wide | Daktronics 10mm - GT6x Series
Double Sided - Full Color | Electronic Message Center



SIGNcraft
BETTER BY DESIGN

John & Jill Wilson

FIVE BLACK POINT ROAD, NANTIC, CT 06557
(860) 739-2863 info@signcraftsigns.com
SIGNCRAFTSIGNS.COM

PHOTO COURTESY OF WATERFORD HIGH SCHOOL

FINANCE DEPARTMENT

Memo

August 8, 2023

Mr. Rob Brule
First Selectman
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

Re: Cooperative Purchasing-Telephone System Upgrade

Dear Mr. Brule:

In keeping with Section 3.08.010 of the Purchasing Ordinance- Cooperative Purchasing, the Purchasing Agent on behalf of the IT Department, respectfully seeks the Board's approval to award the contract for the purchase of the Cisco phone system/replacement upgrade solution to **Total Communications Inc.** This purchase is in accordance with DAS contract 18PSX0202.

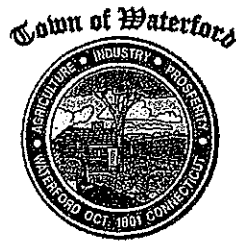
Funds will be available from Line Item 20547-57860 Phone System Upgrade.

Sincerely,

Shea Moses

Shea Moses
Purchasing Agent,
Town of Waterford

FIFTEEN ROPE FERRY ROAD



WATERFORD, CT 06385-2886

To: First Selectman Robert Brule
From: IT Manager Jeffrey Robillard
Date: 08/7/2023
Re: **Cooperating Purchasing Request
for Telephone System Upgrade CNR#20547-57860**

On August 7th the RTM approved the additional appropriation to the Project Telephone System Upgrade #20547-57860 and waived the 15 days public referendum requirement so we can move ahead quickly with this project. This project is to replace all the unsupportable end of life software and hardware that is part of our Cisco VOIP phone system servicing the School system, Town buildings, Police, Emergency Management, and Fire Services.

I respectfully request the Board of Selectman to accept the purchase of the Cisco phone system/replacement upgrade solution recommended by Total Communications Inc. of East Hartford, CT. for \$581,700 through the cooperative purchasing program.

Total communications is a vital support resource for the Town and School systems network infrastructure, virtual server environment, and data storage solutions. They are one of two vendors on the State Contract Award number 18PSX0202 for "Cisco Products and Services". The other vendor on the state contract was unable to provide us, after 9 months of communicating with them regularly about our requirements, an accurate functional solution. Total Communications provided us a solution within a month and has kept close contact with us to ensure our existing system stays running.

Respectfully submitted for your consideration

Jeffrey M. Robillard,
IT Manager
Town of Waterford

CC: Kim Allen – Director of Finance
Brandishea Moses – Purchasing Agent

TOWN OF WATERFORD TRANSFER REQUEST FORM

In Series (Over \$1000)

RECREATION & PARKS
DEPARTMENT

FY23

Line No.	Org. Code	Object Code	Object Description	APPROVED Budget Amount	CURRENT Available Budget	Budget Transfer INCREASE	Budget Transfer DECREASE	REVISED Available Budget
1	10137	52120	SEWER	\$ 2,685	\$ (1,609)	1,610.00		\$ 1
2	10137	52420	MAINT OF PROPERTY	\$ 88,342	\$ (388)	389.00		\$ 1
3	10137	52380	PROGRAMS	\$ 40,232	\$ 3,256		(1,999.00)	\$ 1,257
4								\$ -
5								\$ -
6								\$ -
7								\$ -
8								\$ -
TOTAL						1,999.00	(1,999.00)	

Explanation:

YEAR-END AUDIT ADJUSTMENTS

Department Head

Director of Finance

First Selectman

Commission/Board Approval

Date

Date

Date

Date

08/21/2023 09:40
kallen

Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

1
glytdbud

FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
101 GENERAL FUND						
10137 RECREATION AND PARKS						
51110 ADMINISTRATION						
10137 51110	ADMINISTRATION 29,000.00	231,499.00	231,215.17	0.00	283.83	99.9%
51210 CLERICAL AND TECHNICAL						
10137 51210	CLERICAL AND TECHNICAL 0.00	88,399.00	79,713.38	0.00	8,685.62	90.2%
51220 CUSTODIAL						
10137 51220	CUSTODIAL 0.00	21,232.00	18,544.72	0.00	2,687.28	87.3%
51450 EXTRA DUTY						
10137 51450	EXTRA DUTY 0.00	0.00	0.00	0.00	0.00	.0%
51451 EXTRA DUTY REGULAR WAGES						
10137 51451	EXTRA DUTY REGULAR WAGES 0.00	0.00	0.00	0.00	0.00	.0%
51610 PARKS MAINTENANCE						
10137 51610	PARKS MAINTENANCE 28,000.00	421,147.00	420,805.64	0.00	341.36	99.9%
51620 RECREATION PROGRAMS						
10137 51620	RECREATION PROGRAMS 58,750.00	380,088.00	379,727.83	0.00	360.17	99.9%



3 tier erp solution

2
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08/21/2023 09:40
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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSTMS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
51630 SUMMER JOBS FOR MINORS						
10137 51630	0.00 SUMMER JOBS FOR MINORS 0.00	0.00	0.00	0.00	0.00	.0%
51810 OVERTIME						
10137 51810	27,264.00 OVERTIME 3,400.00	30,664.00	30,698.08	0.00	-34.08	100.1%
51910 FRINGE BENEFITS						
10137 51910	7,073.00 FRINGE BENEFITS 0.00	7,073.00	3,144.89	0.00	3,928.11	44.5%
51920 F.I.C.A.						
10137 51920	81,163.00 F.I.C.A. 2,100.00	83,263.00	83,184.88	0.00	78.12	99.9%
52010 ADVERTISING						
10137 52010	2,760.00 ADVERTISING 0.00	2,760.00	2,588.50	0.00	171.50	93.8%
52020 POSTAGE						
10137 52020	6,100.00 POSTAGE 2,000.00	8,100.00	5,896.77	0.00	2,203.23	72.8%
52040 SERVICE CONT AND REPAIRS						
10137 52040	37,436.00 SERVICE CONT. AND REPAIRS -23,196.00	14,240.00	5,155.83	0.00	9,084.17	36.2%
52050 DUES CONFER						
10137 52050	3,650.00 DUES, CONFERENCES & EDUCATION 0.00	3,650.00	1,595.00	0.00	2,055.00	43.7%



3
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08/21/2023 09:40
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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSTMS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52060 PRINTING						
10137 52060	PRINTING 0.00	0.00	0.00	0.00	0.00	.0%
52070 REIMBURSABLE EXPENSES						
10137 52070	REIMBURSABLE EXPENSES 150.00	150.00	0.00	0.00	150.00	.0%
52080 TELEPHONE						
10137 52080	TELEPHONE 2,848.00	2,848.00	2,561.84	0.00	286.16	90.0%
52090 HEATING FUEL						
10137 52090	HEATING FUEL 7,055.00	7,055.00	3,078.27	0.00	3,976.73	43.6%
52100 ELECTRICITY						
10137 52100	ELECTRICITY 11,840.00	11,840.00	4,393.62	0.00	7,446.38	37.1%
52110 WATER						
10137 52110	WATER 4,604.00	4,929.00	4,912.17	0.00	16.83	99.7%
52120 SEWER						
10137 52120	SEWER 2,635.00	2,685.00	4,293.55	0.00	-1,608.55	159.9%*
52206 XFER TO COMMUNITY EVENTS FUND						
10137 52206	XFER TO COMMUNITY EVENTS FUND 4,750.00	4,750.00	4,750.00	0.00	0.00	100.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT



P 4
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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52380 PROGRAMS						
10137 52380	PROGRAMS 40,232.00	40,232.00	36,976.36	0.00	3,255.64	91.9%
52390 CO-SPONSORED PROGRAMS						
10137 52390	CO-SPONSORED PROGRAMS 41,549.00	41,549.00	39,320.52	0.00	2,228.48	94.6%
52420 MAINTENANCE OF PROPERTY						
10137 52420	MAINTENANCE OF PROPERTY 72,642.00	88,342.00	88,730.38	0.00	-388.38	100.4%*
53010 OFFICE SUPPLIES						
10137 53010	OFFICE SUPPLIES 1,363.00	6,363.00	5,745.28	0.00	617.72	90.3%
53020 OTHER SUPPLIES						
10137 53020	OTHER SUPPLIES 30,636.00	24,441.00	24,438.22	0.00	2.78	100.0%
53080 AUTOMOTIVE MAINTENANCE						
10137 53080	MAINTENANCE VEHICLES 20,750.00	44,700.00	44,692.67	0.00	7.33	100.0%
53090 FUELS AND LUBRICANTS						
10137 53090	FUELS AND LUBRICANTS 19,316.00	20,206.00	20,200.35	0.00	5.65	100.0%
54020 EQUIPMENT						
10137 54020	EQUIPMENT 0.00	0.00	0.00	0.00	0.00	.0%



IP 5
glytdbud

08/21/2023 09:40
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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
TOTAL RECREATION AND PARKS 1,452,431.00	139,774.00	1,592,205.00	1,546,363.92	0.00	45,841.08	97.1%
TOTAL GENERAL FUND 1,452,431.00	139,774.00	1,592,205.00	1,546,363.92	0.00	45,841.08	97.1%
TOTAL EXPENSES 1,452,431.00	139,774.00	1,592,205.00	1,546,363.92	0.00	45,841.08	
GRAND TOTAL 1,452,431.00	139,774.00	1,592,205.00	1,546,363.92	0.00	45,841.08	97.1%

** END OF REPORT - Generated by Kimberly Allen **

TOWN OF WATERFORD TRANSFER REQUEST FORM

In Series (Over \$1000)

FIRE SERVICES
DEPARTMENT

FY24

Line No.	Org. Code	Object Code	Object Description	APPROVED Budget Amount	CURRENT Available Budget	Budget Transfer INCREASE	Budget Transfer DECREASE	REVISED Available Budget
1	10123	53070	Automotive Repairs	\$ 110,000	\$ 62,000		(30,000.00)	\$ 32,000
2	10123	53080	Automotive Maintenance	\$ -	\$ -	30,000.00		\$ 30,000
3								\$ -
4								\$ -
5								\$ -
8								\$ -
9								\$ -
10								\$ -
TOTAL						30,000.00	(30,000.00)	

Explanation:

1-2 New line 53080 created after FY24 budget submitted

Email
Department Head

7/17/23
Date

Kim Allen
Director of Finance

7/26/23
Date

First Selectman

Date

Commission/Board Approval

Date



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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
101 GENERAL FUND						
10123 FIRE SERVICES						
51110 ADMINISTRATION						
10123 51110	ADMINISTRATION	204,179.00	10,975.98	0.00	193,203.02	5.4%
51120 INSPECTION						
10123 51120	INSPECTION	83,068.00	4,766.40	0.00	78,301.60	5.7%
51210 CLERICAL AND TECHNICAL						
10123 51210	CLERICAL AND TECHNICAL	147,637.00	8,830.61	0.00	138,806.39	6.0%
51240 EDUCATIONAL INCENTIVE						
10123 51240	EDUCATIONAL INCENTIVE	16,750.00	2,240.00	0.00	14,510.00	13.4%
51410 FIRE FIGHTING						
10123 51410	FIRE FIGHTING	1,202,923.00	57,814.28	0.00	1,145,108.72	4.8%
51411 INCENTIVE PROGRAM STIPENDS						
10123 51411	INCENTIVE PROGRAM STIPENDS	50,000.00	7,098.00	0.00	42,902.00	14.2%
51412 PART TIME FIRE FIGHTING						
10123 51412	PART TIME FIRE FIGHTING	210,000.00	10,419.95	0.00	199,580.05	5.0%



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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSTMS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
51440 DISPATCH						
10123 51440	DISPATCH	0.00	0.00	0.00	0.00	.0%
51450 EXTRA DUTY						
10123 51450	EXTRA DUTY	0.00	0.00	0.00	0.00	.0%
51451 EXTRA DUTY REGULAR WAGES						
10123 51451	EXTRA DUTY REGULAR WAGES	0.00	0.00	0.00	0.00	.0%
51810 OVERTIME						
10123 51810	OVERTIME	245,000.00	17,197.78	0.00	227,802.22	7.0%
51830 TRAINING & EDUCATION						
10123 51830	TRAINING & EDUCATION	0.00	0.00	0.00	0.00	.0%
51920 F.I.C.A.						
10123 51920	F.I.C.A.	165,206.00	8,277.24	0.00	156,928.76	5.0%
52010 ADVERTISING						
10123 52010	ADVERTISING	400.00	0.00	0.00	400.00	.0%
52020 POSTAGE						
10123 52020	POSTAGE	250.00	0.00	0.00	250.00	.0%



FOR 2024 13

ORIGINAL APPROP	TRANS/ADJ/MTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52030 PROFESSIONAL FEES						
10123 52030	PROFESSIONAL FEES 2,500.00	2,500.00	0.00	0.00	2,500.00	.0%
52040 SERVICE CONT AND REPAIRS						
10123 52040	SERVICE CONT. AND REPAIRS 13,530.00	13,530.00	293.38	7,854.76	5,381.86	60.2%
52050 DUES CONFER						
10123 52050	DUES, CONFERENCES & EDUCAT 36,800.00	36,800.00	400.00	5,000.00	31,400.00	14.7%
52060 PRINTING						
10123 52060	PRINTING 100.00	100.00	0.00	0.00	100.00	.0%
52070 REIMBURSABLE EXPENSES						
10123 52070	REIMBURSABLE EXPENSES 1,500.00	1,500.00	0.00	0.00	1,500.00	.0%
52080 TELEPHONE						
10123 52080	TELEPHONE 18,500.00	18,500.00	0.00	16,000.00	2,500.00	86.5%
52090 HEATING FUEL						
10123 52090	HEATING FUEL 0.00	0.00	0.00	0.00	0.00	.0%
52100 ELECTRICITY						
10123 52100	ELECTRICITY 0.00	0.00	0.00	0.00	0.00	.0%



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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSTMS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52110 WATER						
10123 52110	WATER 0.00	0.00	0.00	0.00	0.00	.0%
52120 SEWER						
10123 52120	SEWER 0.00	0.00	0.00	0.00	0.00	.0%
52290 PUBLIC SAFETY AWARENESS						
10123 52290	PUBLIC SAFETY AWARENESS 4,000.00	4,000.00	0.00	0.00	4,000.00	.0%
52310 EXAMINATIONS						
10123 52310	EXAMINATIONS 10,000.00	10,000.00	0.00	6,000.00	4,000.00	60.0%
52320 RENTAL OF HYDRANTS						
10123 52320	RENTAL OF HYDRANTS 541,000.00	541,000.00	0.00	540,949.76	50.24	100.0%
52370 CLOTHING OR UNIFORM ALLOW						
10123 52370	CLOTHING OR UNIFORM ALLOW 19,500.00	19,500.00	0.00	8,000.00	11,500.00	41.0%
52371 FIRE POLICE						
10123 52371	FIRE POLICE 1,250.00	1,250.00	0.00	0.00	1,250.00	.0%
52372 INSURANCE						
10123 52372	INSURANCE 140,000.00	140,000.00	0.00	0.00	140,000.00	.0%



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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

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FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52373 LP GAS						
10123 52373	LP GAS 0.00	5,600.00	0.00	0.00	5,600.00	.0%
52374 CABLE TELEVISION						
10123 52374	CABLE TELEVISION 0.00	7,500.00	399.72	8,714.88	-1,614.60	121.5%
52375 GROUND LADDER TESTING						
10123 52375	GROUND LADDER TESTING 0.00	7,800.00	0.00	0.00	7,800.00	.0%
52376 HYDRAULIC TESTING						
10123 52376	HYDRAULIC TESTING 0.00	2,000.00	0.00	0.00	2,000.00	.0%
52377 BREATHING APPARATUS TESTING						
10123 52377	BREATHING APPARATUS TESTING 0.00	9,500.00	0.00	7,000.00	2,500.00	73.7%
52378 BUILDING MAINTENANCE						
10123 52378	BUILDING MAINTENANCE 0.00	84,000.00	0.00	13,620.00	70,380.00	16.2%
52379 HOSE TESTING AND REPAIRS						
10123 52379	HOSE TESTING AND REPAIRS 0.00	9,825.00	0.00	0.00	9,825.00	.0%
52387 PUMP TESTING SERVICES						
10123 52387	PUMP TESTING SERVICES 0.00	4,000.00	0.00	0.00	4,000.00	.0%



FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52392 GENERATOR MAINTENANCE & REPAIR						
10123 52392	GENERATOR MAINTENANCE & REPAIR 9,500.00 0.00	9,500.00	0.00	0.00	9,500.00	.0%
52396 FF -PROTECTIVE CLOTHING						
10123 52396	FF -PROTECTIVE CLOTHING 0.00 0.00	0.00	0.00	0.00	0.00	.0%
53010 OFFICE SUPPLIES						
10123 53010	OFFICE SUPPLIES 1,000.00 0.00	1,000.00	0.00	700.00	300.00	70.0%
53020 OTHER SUPPLIES						
10123 53020	OTHER SUPPLIES 12,000.00 0.00	12,000.00	0.00	4,000.00	8,000.00	33.3%
53021 CONSUMABLE SUPPLIES						
10123 53021	CONSUMABLE SUPPLIES 3,800.00 0.00	3,800.00	0.00	200.00	3,600.00	5.3%
53070 AUTO REPAIRS						
10123 53070	AUTO REPAIRS 110,000.00 0.00	110,000.00	0.00	48,000.00	62,000.00	43.6%
53090 FUELS AND LUBRICANTS						
10123 53090	FUELS AND LUBRICANTS 45,000.00 0.00	45,000.00	0.00	0.00	45,000.00	.0%
53110 COMPUTER SUPPLIES						
10123 53110	COMPUTER SUPPLIES 1,000.00 0.00	1,000.00	0.00	300.00	700.00	30.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT



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FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
53111 FF PROTECTIVE CLOTHING						
10123 53111	FF PROTECTIVE CLOTHING 35,000.00	35,000.00	0.00	7,000.00	28,000.00	20.0%
53112 FIREFIGHTING SUPPLIES						
10123 53112	FIREFIGHTING SUPPLIES 9,000.00	9,000.00	0.00	4,500.00	4,500.00	50.0%
53113 VOLUNTEER RESPONDER AWARDS						
10123 53113	VOLUNTEER RESPONDER AWARDS 5,000.00	5,000.00	0.00	0.00	5,000.00	.0%
53114 MEDICAL SUPPLIES						
10123 53114	MEDICAL SUPPLIES 6,500.00	6,500.00	0.00	5,000.00	1,500.00	76.9%
53115 VOLUNTEER FIREFIGHTER SUPPLIES						
10123 53115	VOLUNTEER FIREFIGHTER SUPPLIES 3,000.00	3,000.00	0.00	0.00	3,000.00	.0%
54060 OFFICE EQUIPMENT						
10123 54060	OFFICE EQUIPMENT 1,500.00	1,500.00	0.00	200.00	1,300.00	13.3%
54202 EQUIPMENT -FORE INVESTIGATIONS						
10123 54202	EQUIPMENT -FIRE INVESTIGATIONS 500.00	500.00	-500.00	0.00	1,000.00	-100.0%
54207 SCBA REPLACEMENT BOTTLES						
10123 54207	SCBA REPLACEMENT BOTTLES 0.00	0.00	0.00	0.00	0.00	.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2024 13



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ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
54215 THERMAL CAMERAS -OSWEGATHCIE						
10123 54215	THERMAL CAMERAS -OSWEGATHCIE 0.00	0.00	0.00	0.00	0.00	.0%
54216 MULTI-GAS METER						
10123 54216	MULTI-GAS METER 0.00	0.00	0.00	0.00	0.00	.0%
54217 RESCUE SAWS						
10123 54217	RESCUE SAWS 0.00	0.00	0.00	0.00	0.00	.0%
54218 FIREFIGHTER EQUIPMENT						
10123 54218	FIREFIGHTER EQUIPMENT 24,000.00	24,000.00	0.00	5,000.00	19,000.00	20.8%
54219 EQUIPMENT STIRAGE LOCKER						
10123 54219	EQUIPMENT STORAGE LOCKER 0.00	0.00	0.00	0.00	0.00	.0%
54220 RADIO/EMERGENCY LIGHTS						
10123 54220	RADIO/EMERGENCY LIGHTS 9,000.00	9,000.00	0.00	5,000.00	4,000.00	55.6%
54221 SERVICE TRUCK EQUIPMENT						
10123 54221	SERVICE TRUCK EQUIPMENT 0.00	0.00	0.00	0.00	0.00	.0%
54222 RESCUE TRUCK EQUIPMENT						
10123 54222	RESCUE TRUCK EQUIPMENT 5,500.00	5,500.00	0.00	0.00	5,500.00	.0%



FOR 2024 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
54226 EQUIPMENT						
10123 54226	EQUIPMENT	6,000.00	0.00	0.00	6,000.00	.0%
54241 TELEPHONE SYSTEM -GOSHEN FIRE						
10123 54241	TELEPHONE SYSTEM -GOSHEN FIRE	0.00	0.00	0.00	0.00	.0%
TOTAL FIRE SERVICES						
3,531,618.00	0.00	3,531,618.00	128,213.34	693,039.40	2,710,365.26	23.3%
TOTAL GENERAL FUND						
3,531,618.00	0.00	3,531,618.00	128,213.34	693,039.40	2,710,365.26	23.3%
TOTAL EXPENSES						
3,531,618.00	0.00	3,531,618.00	128,213.34	693,039.40	2,710,365.26	
GRAND TOTAL						
3,531,618.00	0.00	3,531,618.00	128,213.34	693,039.40	2,710,365.26	23.3%

** END OF REPORT - Generated by Kimberly Allen **

TOWN OF WATERFORD TRANSFER REQUEST FORM

In Series (Over \$1000)

FIRE SERVICES
DEPARTMENT

FY23

Line No.	Org. Code	Object Code	Object Description	APPROVED Budget Amount	CURRENT Available Budget	Budget Transfer INCREASE	Budget Transfer DECREASE	REVISED Available Budget
1	10123	52378	BUILDING MAINTENANCE	\$ 78,567	\$ (3,229)	3,229.00		\$ 0
2	10123	52392	GENERATOR MAINTENANCE	\$ 13,500	\$ 1,931		(1,920.00)	\$ 11
3	10123	52373	LP GAS	\$ 3,100	\$ 1,160		(1,155.00)	\$ 5
4	10123	52375	GROUND LADDER TESTING	\$ 3,800	\$ 266		(154.00)	\$ 112
5								\$ -
6								\$ -
7								\$ -
8								\$ -
TOTAL						3,229.00	(3,229.00)	

Explanation:

YEAR-END AUDIT ADJUSTMENTS

Department Head

Jim Allen

Director of Finance

Date

8/21/23

Date

First Selectman

Date

Commission/Board Approval

Date

08/21/2023 09:39
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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT



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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
101 GENERAL FUND						
10123 FIRE SERVICES						
51110 ADMINISTRATION						
10123 51110	ADMINISTRATION -11,957.00	235,245.00	234,206.24	0.00	1,038.76	99.6%
51120 INSPECTION						
10123 51120	INSPECTION -1,993.00	79,722.00	79,721.36	0.00	0.64	100.0%
51210 CLERICAL AND TECHNICAL						
10123 51210	CLERICAL AND TECHNICAL 12,769.00	152,321.00	151,917.92	0.00	403.08	99.7%
51240 EDUCATIONAL INCENTIVE						
10123 51240	EDUCATIONAL INCENTIVE -4,350.00	12,400.00	12,400.00	0.00	0.00	100.0%
51410 FIRE FIGHTING						
10123 51410	FIRE FIGHTING 86,214.00	1,129,672.00	1,129,654.77	0.00	17.23	100.0%
51411 INCENTIVE PROGRAM STIPENDS						
10123 51411	INCENTIVE PROGRAM STIPENDS -5,000.00	35,000.00	34,873.00	0.00	127.00	99.6%
51412 PART TIME FIREFIGHTING						
10123 51412	PART TIME FIREFIGHTING -84,769.00	225,815.00	223,081.63	0.00	2,733.37	98.8%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
51440 DISPATCH						
10123 51440	DISPATCH 0.00	0.00	0.00	0.00	0.00	.0%
51450 EXTRA DUTY						
10123 51450	EXTRA DUTY 0.00	0.00	0.00	0.00	0.00	.0%
51451 EXTRA DUTY REGULAR WAGES						
10123 51451	EXTRA DUTY REGULAR WAGES 0.00	0.00	0.00	0.00	0.00	.0%
51810 OVERTIME						
10123 51810	OVERTIME 25,580.00 238,250.00	263,830.00	263,814.72	0.00	15.28	100.0%
51830 TRAINING & EDUCATION						
10123 51830	TRAINING & EDUCATION 0.00	0.00	0.00	0.00	0.00	.0%
51920 F.I.C.A.						
10123 51920	F.I.C.A. 161,990.00	161,990.00	150,110.43	0.00	11,879.57	92.7%
52010 ADVERTISING						
10123 52010	ADVERTISING 290.00 400.00	690.00	0.00	0.00	690.00	.0%
52020 POSTAGE						
10123 52020	POSTAGE 75.00 250.00	325.00	323.97	0.00	1.03	99.7%



FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52030 PROFESSIONAL FEES						
10123 52030	PROFESSIONAL FEES 4,150.00 -1,426.00	2,724.00	2,555.94	0.00	168.06	93.8%
52040 SERVICE CONT AND REPAIRS						
10123 52040	SERVICE CONT. AND REPAIRS 13,530.00 22,600.00	36,130.00	34,606.74	0.00	1,523.26	95.8%
52050 DUES CONFER						
10123 52050	DUES, CONFERENCES & EDUCAT 36,800.00 12,000.00	48,800.00	47,958.15	0.00	841.85	98.3%
52060 PRINTING						
10123 52060	PRINTING 50.00 30.00	80.00	60.05	0.00	19.95	75.1%
52070 REIMBURSABLE EXPENSES						
10123 52070	REIMBURSABLE EXPENSES 1,500.00 -1,355.00	145.00	99.38	0.00	45.62	68.5%
52080 TELEPHONE						
10123 52080	TELEPHONE 18,500.00 0.00	18,500.00	18,337.76	0.00	162.24	99.1%
52090 HEATING FUEL						
10123 52090	HEATING FUEL 0.00 0.00	0.00	0.00	0.00	0.00	.0%
52100 ELECTRICITY						
10123 52100	ELECTRICITY 0.00 0.00	0.00	0.00	0.00	0.00	.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT



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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52110 WATER						
10123 52110 WATER	0.00	0.00	0.00	0.00	0.00	.0%
52120 SEWER						
10123 52120 SEWER	0.00	0.00	0.00	0.00	0.00	.0%
52290 PUBLIC SAFETY AWARENESS						
10123 52290 PUBLIC SAFETY AWARENESS	5,000.00	3,479.00	3,478.91	0.00	0.09	100.0%
52310 EXAMINATIONS						
10123 52310 EXAMINATIONS	10,000.00	8,350.00	8,206.68	0.00	143.32	98.3%
52320 RENTAL OF HYDRANTS						
10123 52320 RENTAL OF HYDRANTS	457,200.00	540,950.00	540,949.76	0.00	0.24	100.0%
52370 CLOTHING OR UNIFORM ALLOW						
10123 52370 CLOTHING OR UNIFORM ALLOW	19,000.00	20,765.00	20,756.36	0.00	8.64	100.0%
52371 FIRE POLICE						
10123 52371 FIRE POLICE	750.00	750.00	575.02	0.00	174.98	76.7%
52372 INSURANCE						
10123 52372 INSURANCE	140,934.00	139,334.00	139,269.37	0.00	64.63	100.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52373 LP GAS						
10123 52373	LP GAS 5,600.00	3,100.00	1,939.77	0.00	1,160.23	62.6%
52374 CABLE TELEVISION						
10123 52374	CABLE TELEVISION 7,500.00	8,350.00	7,511.35	0.00	838.65	90.0%
52375 GROUND LADDER TESTING						
10123 52375	GROUND LADDER TESTING 7,800.00	3,800.00	3,534.05	0.00	265.95	93.0%
52376 HYDRAULIC TESTING						
10123 52376	HYDRAULIC TESTING 3,500.00	0.00	0.00	0.00	0.00	.0%
52377 BREATHING APPARATUS TESTING						
10123 52377	BREATHING APPARATUS TESTING 8,760.00	18,941.00	18,937.76	0.00	3.24	100.0%
52378 BUILDING MAINTENANCE						
10123 52378	BUILDING MAINTENANCE 87,000.00	78,567.00	81,795.80	0.00	-3,228.80	104.1%*
52379 HOSE TESTING AND REPAIRS						
10123 52379	HOSE TESTING AND REPAIRS 9,825.00	8,405.00	8,402.10	0.00	2.90	100.0%
52387 PUMP TESTING SERVICES						
10123 52387	PUMP TESTING SERVICES 4,000.00	1,200.00	1,200.00	0.00	0.00	100.0%



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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
52392 GENERATOR MAINTENANCE & REPAIR						
10123 52392	9,500.00	13,500.00	11,569.37	0.00	1,930.63	85.7%
52396 FF -PROTECTIVE CLOTHING						
10123 52396	0.00	0.00	0.00	0.00	0.00	.0%
53010 OFFICE SUPPLIES						
10123 53010	1,500.00	1,200.00	1,062.42	0.00	137.58	88.5%
53020 OTHER SUPPLIES						
10123 53020	15,000.00	10,500.00	10,134.95	0.00	365.05	96.5%
53021 CONSUMABLE SUPPLIES						
10123 53021	4,000.00	5,600.00	5,481.18	0.00	118.82	97.9%
53070 AUTO REPAIRS						
10123 53070	110,000.00	195,000.00	190,636.82	0.00	4,363.18	97.8%
53090 FUELS AND LUBRICANTS						
10123 53090	29,370.00	43,370.00	41,537.15	0.00	1,832.85	95.8%
53110 COMPUTER SUPPLIES						
10123 53110	1,500.00	800.00	609.54	0.00	190.46	76.2%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT

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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSTMS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
53111 FF PROTECTIVE CLOTHING						
10123 53111	FF PROTECTIVE CLOTHING 35,000.00 10,168.00	45,168.00	42,727.94	0.00	2,440.06	94.6%
53112 FIREFIGHTING SUPPLIES						
10123 53112	FIREFIGHTING SUPPLIES 9,000.00 7,550.00	16,550.00	15,907.44	0.00	642.56	96.1%
53113 VOLUNTEER RESPONDER AWARDS						
10123 53113	VOLUNTEER RESPONDER AWARDS 5,000.00 -2,100.00	2,900.00	2,892.04	0.00	7.96	99.7%
53114 MEDICAL SUPPLIES						
10123 53114	MEDICAL SUPPLIES 8,000.00 -1,250.00	6,750.00	6,705.98	0.00	44.02	99.3%
53115 VOLUNTEER FIREFIGHTER SUPPLIES						
10123 53115	VOLUNTEER FIREFIGHTER SUPPLIES 0.00 0.00	0.00	0.00	0.00	0.00	.0%
54060 OFFICE EQUIPMENT						
10123 54060	OFFICE EQUIPMENT 2,000.00 -900.00	1,100.00	1,029.45	0.00	70.55	93.6%
54202 EQUIPMENT -FORE INVESTIGATIONS						
10123 54202	EQUIPMENT -FIRE INVESTIGATIONS 500.00 5.00	505.00	504.79	0.00	0.21	100.0%
54207 SCBA REPLACEMENT BOTTLES						
10123 54207	SCBA REPLACEMENT BOTTLES 0.00 0.00	0.00	0.00	0.00	0.00	.0%

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Town of Waterford, CT
YEAR-TO-DATE BUDGET REPORT



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FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
54215 THERMAL CAMERAS -OSWEGATCHIE						
10123 54215	THERMAL CAMERAS -OSWEGATCHIE 0.00	0.00	0.00	0.00	0.00	.0%
54216 MULTI-GAS METER						
10123 54216	MULTI-GAS METER 0.00	0.00	0.00	0.00	0.00	.0%
54217 RESCUE SAWS						
10123 54217	RESCUE SAWS 0.00	0.00	0.00	0.00	0.00	.0%
54218 FIREFIGHTER EQUIPMENT						
10123 54218	FIREFIGHTER EQUIPMENT 30,000.00	16,055.00	16,053.40	0.00	1.60	100.0%
54219 EQUIPMENT STORAGE LOCKER						
10123 54219	EQUIPMENT STORAGE LOCKER 0.00	0.00	0.00	0.00	0.00	.0%
54220 RADIO/EMERGENCY LIGHTS						
10123 54220	RADIO/EMERGENCY LIGHTS 9,000.00	10,200.00	10,199.15	0.00	0.85	100.0%
54221 SERVICE TRUCK EQUIPMENT						
10123 54221	SERVICE TRUCK EQUIPMENT 0.00	0.00	0.00	0.00	0.00	.0%
54222 RESCUE TRUCK EQUIPMENT						
10123 54222	RESCUE TRUCK EQUIPMENT 5,500.00	270.00	87.16	0.00	182.84	32.3%



FOR 2023 13

ORIGINAL APPROP	TRANS/ADJSMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
54226 EQUIPMENT						
10123 54226	EQUIPMENT -10,570.00	1,430.00	1,421.13	0.00	8.87	99.4%
54241 TELEPHONE SYSTEM -GOSHEN FIRE						
10123 54241	TELEPHONE SYSTEM -GOSHEN FIRE 0.00	0.00	0.00	0.00	0.00	.0%
TOTAL FIRE SERVICES	201,858.00	3,610,278.00	3,578,838.90	0.00	31,439.10	99.1%
3,408,420.00						
TOTAL GENERAL FUND	201,858.00	3,610,278.00	3,578,838.90	0.00	31,439.10	99.1%
3,408,420.00						
TOTAL EXPENSES	201,858.00	3,610,278.00	3,578,838.90	0.00	31,439.10	99.1%
3,408,420.00						
GRAND TOTAL	201,858.00	3,610,278.00	3,578,838.90	0.00	31,439.10	99.1%
3,408,420.00						

** END OF REPORT - Generated by Kimberly Allen **