

# Sarix Enhanced 4 and 4P Series Short and Long Bullet Cameras

2 MP

4 MP

6 MP

8 MP

The Sarix Enhanced 4 and 4P Series short and long bullet cameras introduce new analytic capabilities and set an even higher standard for security by simultaneously running multiple analytics. Extract more information and in greater detail to optimize threat detection and response efficiency.



## Features



### Protect More Things at Once

Leverage Pelco Smart Analytics, powered by Motorola Solutions, to detect human and vehicle events. Enhance capabilities further with advanced features such as crowd thresholds, basic feature identification, vehicle type differentiation, privacy masking, person crawling and audio analytics.<sup>1</sup>



### Secured From the Inside Out

The Sarix Enhanced 4 and 4P Series camera ensures high data-security with onboard TPM, Secure Boot, and FIPS-140-2 level 3 compliance. Manufactured in North America, NDAA and TAA-compliant, it's an ideal choice for security-focused businesses and organizations.



### Enhanced Clarity and Coverage

Capture crucial details and provide valuable evidence with clearer, sharper footage. Record up to 60 frames per second for fast-moving objects. Ensure optimal security day and night with wider dynamic range, split IR dome and IR Illumination options.



### Elevate Enabled

Enhance your camera management with cloud-based AI intelligence, seamlessly integrating with your existing system. Cut maintenance costs by automating camera checks and receiving notifications for image health or cloud connection changes.



### Resilient in Every Condition

Save on maintenance and operational costs with the camera's durability. Handle even more extreme weather conditions with wider operating temperature ranges and IP66, 67, 68 and IK10/11 ratings.<sup>2</sup>



### Increased Compatibility with Pelco Connect

Easily integrate Sarix Enhanced 4 with any third-party VMS using ONVIF S, G, T, and M conformance. Genetec and Milestone users have the ability to unlock analytics to their full potential with the introduction of Pelco Connect. This powerful add-on provides access to a range of advanced functionalities.

<sup>1</sup> Crowd Threshold, Vehicle Subclasses and Facet Metadata capabilities will be dependent on VMS and configuration availability. Audio Analytics is not available on the 4P Series camera.

<sup>2</sup> Environmental ratings may vary.



**MOTOROLA SOLUTIONS**

# Specifications

| Image Performance                       |               | 2.0 MP  | 4.0 MP   | 6.0 MP  | 8.0 MP (4K Ultra HD)  |
|---|---------------|---|--|---|---|
| Image Sensor                            |               | 1/2.8" progressive scan CMOS  | 1/1.8" progressive scan CMOS   |   |   |
| Max Resolution (H x V) and Aspect Ratio | Primary       | (16:9) 1920 x 1080  | (16:9) 2688 x 1520, 2560 x 1440, 1920 x 1080<br>(4:3) 1984 x 1488  | (16:9) 3328 x 1872, 3200 x 1800, 2688 x 1520, 2560 x 1440, 1920 x 1080<br>(4:3) 2880 x 2160, 2304 x 1728, 2048 x 1536   | (16:9) 3840 x 2160, 3328 x 1872, 3200 x 1800, 3072 x 1728<br>(4:3) 2880 x 2160, 2560 x 1920   |
|   | Secondary     | (16:9) 1920 x 1080*, 1280 x 720, 768 x 432, 640 x 360, 512 x 288                            | (16:9) 2688 x 1520*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288<br>(4:3) 1984 x 1488*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288; | (16:9) 3328 x 1872*, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288<br>(4:3) 2880 x 2160*, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288 | (16:9) 3840 x 2160*, 2560 x 1440, 1920 x 1080, 1280 x 720, 768 x 432, 640 x 360, 512 x 288<br>(4:3) 2880 x 2160*, 2560 x 1920, 2304 x 1728, 1920 x 1440, 1600 x 1200, 1280 x 960, 768 x 576, 640 x 480, 512 x 384 |
|   | Tertiary      | (16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216                               | (16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216<br>(4:3) 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 368 x 264  | (16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216<br>(4:3) 1280 x 960, 768 x 576, 640 x 480, 512 x 384, 384 x 288, 368 x 264  | (16:9) 1920 x 1080 1280 x 720, 768 x 432, 640 x 360, 512 x 288, 384 x 216<br>(4:3) 1920 x 1440, 1600 x 1200, 1280 x 960, 800 x 600, 640 x 480, 512 x 384, 384 x 288, 368 x 264                                    |
|   | Quaternary    | (16:9) 640 x 360, 512 x 288   | (16:9) 640 x 360, 512 x 288<br>(4:3) 640 x 480, 512 x 384, 384 x 288   | (16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288<br>(4:3) 1280 x 960, 640 x 480, 512 x 384, 384 x 288   | (16:9) 1280 x 720, 768 x 432, 640 x 360, 512 x 288<br>(4:3) 1280 x 960, 640 x 480, 512 x 384, 384 x 288   |
|   | Dynamic Range | WDR Off   | Up to 83 dB  |   |   |
| WDR On (IEC 62676)                      |               | Up to 126 dB (dual exposure, 30 fps) Up to 144 dB (triple exposure, 20 fps or less)         | Up to 106dB (dual exposure, 30 fps) Up to 136dB (triple exposure, 20 fps or less)  | Up to 130dB (dual exposure, 30 fps)   |   |
| WDR On                                  |               | Up to 130 dB (dual exposure, 30 fps) Up to 150 dB (triple exposure, 20 fps or less)         | Up to 120dB (dual exposure, 30 fps) Up to 144dB (triple exposure, 20 fps or less)  | Up to 144 dB (dual exposure, 20 fps or less)  |   |
| Max Image Rate <sup>1</sup>             |               | (50 Hz/60 Hz): 50 fps/60 fps in High Frame Rate Mode <sup>2</sup> , otherwise 25 fps/30 fps |  | (50 Hz/60 Hz): 25 fps/30 fps  |   |
| Bandwidth Management                    |               | Pelco Smart Compression technology; Idle scene mode   |  |   |   |
| Signal-to-Noise Ratio(SNR)              |               | > 50 dB   |  |   |   |

\*Only available at half frame rate of the primary stream.

<sup>1</sup> Max Frame Rate of 15 fps when classified object privacy masking is enabled.

<sup>2</sup> Max Frame Rate of 60 fps is only achievable with High Frame Rate mode enabled. High Frame Rate mode will disable analytics.

| Lens and IR Illumination   |             | Short Bullet   |   | Long Bullet <sup>2</sup>   |
|--|-------------|--|---|--|
|  |             | 2.8 - 12 mm  | 4.4 - 9.3 mm  | 4.5 - 148.5 mm<br>6.9 - 214.6 mm   |
| IR Illumination Max Distance <sup>1</sup> (high power 850 nm LEDs) |             | 50 m (164 ft), full tele<br>30 m (98 ft), full wide  | 70 m (229 ft), full tele<br>30 m (131 ft), full wide  | 170 m (558 ft), full tele,<br>40 m (131 ft), full wide   |
| Minimum Illumination   | 2 MP        | With IR: 0 lux in monochrome mode<br>Without IR: 0.003 lux in monochrome mode;<br>0.01 in color mode | N/A   | With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode |
|  | 4 MP        | N/A  | With IR: 0 lux in monochrome mode<br>Without IR: 0.003 lux in monochrome mode;<br>0.008 lux in color mode | With IR: 0 lux in monochrome mode Without IR: 0.004 lux in monochrome mode; 0.01 lux in color mode |
|  | 6 MP & 8 MP | N/A  | With IR: 0 lux in monochrome mode<br>Without IR: 0.006 lux in monochrome mode;<br>0.02 lux in color mode  | With IR: 0 lux in monochrome mode Without IR: 0.008 lux in monochrome mode; 0.03 lux in color mode |
| Horizontal Angle of View Based on Aspect Ratio                     | 2 MP        | (16:9) 27° – 118°  | N/A   | (16:9) 2.3° – 59.8°  |
|  | 4 MP        | N/A  | (16:9) 47° – 111°<br>(4:3) 35° – 78°  | (16:9) 2.9° – 62.5°<br>(4:3) 2.2° – 47°  |
|  | 6 MP & 8 MP | N/A  | (16:9) 47° – 109°<br>(4:3) 35° – 78°  | (16:9) 2.9° – 62.5°<br>(4:3) 2.2° – 48°  |
| Vertical Angle of View Based on Aspect Ratio                       | 2 MP        | (16:9) 15° – 64°   | N/A   | (16:9) 1.3° – 37°  |
|  | 4 MP        | N/A  | (16:9) 26° – 57°<br>(4:3) 26° – 57°   | (16:9) 1.6° – 36°<br>(4:3) 1.6° – 36°  |
|  | 6 MP & 8 MP | N/A  | (16:9) 26° – 57°<br>(4:3) 26° – 57°   | (16:9) 1.6° – 36°<br>(4:3) 1.6° – 36°  |
| Max Aperture   |             | F1.4   | F1.3  | F1.65  |
| Control  |             | Remote Zoom and Focus, Autofocus, IR Cut Filter  |   |  |

<sup>1</sup> IR illumination power may be reduced at higher operating temperatures.

<sup>2</sup> Minimum Illumination with IR was measured at F/1.4.

| Image Control              |   |
|----------------------------|---|
| Image Compression Method   | H.264, H.265, Motion JPEG, Pelco Smart Compression                              |
| Streaming                  | Multi-stream H.264, Multi-stream H.265, Motion JPEG                             |
| Motion Detection           | Pixel motion: Selectable sensitivity and threshold. Classified object detection |
| Camera Tamper Detection    | Yes   |
| Electronic Shutter Control | Automatic, Manual (1/7.5 to 1/15000 sec)  |
| Iris Control               | Automatic, Open, Closed, P-iris   |
| Day/Night Control          | Automatic, Manual, External   |
| Flicker Control            | 60 Hz, 50 Hz  |
| White Balance              | Automatic, Manual   |
| Backlight Compensation     | Adjustable  |
| Image Rotation             | 0°, 90°, 180°, 270° including Corridor Mode                                     |
| Privacy Zones              | Up to 64 zones  |

| Network                     |   |
|-----------------------------|---|
| Network                     | 100BASE-TX for SRXE4, 1000BASE-T for SRXE4P   |
| Cabling                     | CAT5e   |
| Connector                   | RJ-45   |
| ONVIF                       | ONVIF® compliance Profile S, Profile T, Profile M and Profile G ( <a href="http://www.onvif.org">www.onvif.org</a> )  |
| Security                    | Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1 (with optional camera license), onboard FIPS 140-2 L3 certified TPM, Secure Boot, Signed and encrypted firmware, CC EAL6+ |
| Protocols                   | IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS  |
| Streaming Protocols         | RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP, SRTP   |
| Device Management Protocols | SNMP v2c, SNMP v3   |

| Peripherals                  |   |
|------------------------------|---|
| USB Port                     | USB 2.0   |
| Onboard Storage <sup>3</sup> | Two microSD/microSDHC/microSDXC slots – video speed class card required. Class V10 or better recommended. |

<sup>3</sup> Tested maximum capacity is 1.5TB.

| Auxiliary I/O            |   |
|--------------------------|---|
| Audio Compression Method | G.711 PCM 8 kHz, Opus   |
| Audio Input/Output       | Line level input and output   |
| External I/O Terminals   | 1 x Relay In, 1 x Relay Out, 1 x 12 VDC out at 50 mA  |
| Microphone               | Built-in microphone for audio analytics, for certain variants, with physical disable switch |

| Mechanical         |            | Short Bullet  | Long Bullet                                      |
|--------------------|------------|---|--|
| Dimensions (LxWxH) |            | 309 mm x 133 mm x 133 mm; 12.16" x 5.23" x 5.23"                    | 407 mm x 137 mm x 138 mm; 16.02" x 5.39" x 5.43" |
| Weight             | Camera     | 2.11 kg; 4.65 lbs   | 2.92 kg; 6.43 lbs                                |
|                    | Wall Plate | 0.15 kg; 0.33 lbs   |  |
| Body               |            | Polycarbonate and aluminum  |  |
| Housing            |            | Backbox Mount   |  |
| Finish             |            | High polished plastic injection mold; Powdercoat grey, pantone 427C |  |
| Adjustment Range   |            | Hinge +/- 90°, Rotation +/- 175°                                    |  |

| Electrical              |                   | Short Bullet   | Long Bullet  |
|-------------------------|-------------------|--|--|
| Power Consumption       |                   | 25W Max  |  |
| Power Source            | PoE               | IEEE 802.3af Class 3   |  |
|                         | PoE+              | IEEE 802.3at Class 4   |  |
| IR Illuminator Behavior | PoE               | Above 60 °C (140 °F), IR will be disabled. Between -5 °C (23 °F) and 55 °C (131 °F), IR operates at 30% power. Below -20 °C (-4 °F), IR operates at 10% power. Hysteresis at 5 °C (9 °F).  | Above 60 °C (140 °F), IR will be disabled. Between -5 °C (23 °F) and 55 °C (131 °F), IR operates at 30% power. Below -20 °C (-4 °F), IR operates at 10% power. Hysteresis: 5 °C (9 °F).  |
|                         | PoE+ or Aux Power | Above 60 °C (140 °F), IR will be disabled. Between 50 °C (122 °F) and 60 °C (140 °F), IR operates at 50% power. Below -20 °C (-4 °F), IR operates at 50% power. Hysteresis at 5 °C (9 °F). | Above 60 °C (140 °F), IR will be disabled. Between 50 °C (122 °F) and 60 °C (140 °F), IR operates at 60% power. Below -20 °C (-4 °F), IR operates at 60% power. Hysteresis: 5 °C (9 °F). |
| External Power          |                   | 12-24 VDC +/-10%   |  |
| RTC Backup Battery      |                   | 3V manganese lithium   |  |
| Memory                  |                   | 4GB RAM, 4GB Flash   |  |
| Redundant Power         |                   | Seamless failover between PoE and Aux and back without interrupt in camera operation (for SRXE4P only)   |  |

| Environmental                |  |
|------------------------------|--|
| Operating Temperature        | -50°C to +65°C (-58°F to 149°F)                          |
| Startup Temperature          | -40°C to +65°C (-40°F to 149°F)                          |
| Absolute Maximum Temperature | 74°C (165°F) per NEMA TS2 (Temp.) para 2.2.7.2 - 2.2.7.7 |
| Storage Temperature          | -10°C to +70°C (14°F to 158°F)                           |
| Humidity                     | 0 - 100% non-condensing                                  |

| Certifications                      |        |   |
|-------------------------------------|--------|---|
| Certifications/Approvals            |        | UL, cUL, CE, ROHS, RCM, UKCA, NOM, KC, BIS  |
| Safety Standards                    |        | UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471  |
| Environmental Standards/Ratings     | SRXE4  | IEC 60529 IP66, IP67, IP68 (1.8m depth for 2 hours), NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK10         |
|                                     | SRXE4P | IEC 60529 IP66, IP67, IP68 (1.8m depth for 2 hours), IPX9K, NEMA 4X, IEC 60068-2 Shock & Vibration, NEMA TS2 Sec 2.2.7-2.2.9, IK10  |
| Electromagnetic Emissions Standards |        | FCC Part 15 Subpart B Class B, ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50121-4, EN 50130-4 |
| Electromagnetic Immunity Standards  |        | EN 55035, EN 61000-6-1, EN 50121-4, EN 50130-4  |
| Warranty                            |        | Limited 5 Year Warranty <sup>1</sup>  |

<sup>1</sup> For more information on the warranty, see [Product Warranty Terms](#).

# Analytics Specifications

| Supported Analytics Events    |  |
|-------------------------------|--|
| Objects in Area               | The event is triggered when the selected object type moves into the region of interest.  |
| Object Loitering              | The event is triggered when the selected object type moves into the region of interest and then stays for an extended amount of time.  |
| Objects Crossing Beam         | The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional. |
| Object Appears or Enters Area | The event is triggered by each object that enters the region of interest. This event can be used to count objects.   |
| Object Not Present in Area    | The event is triggered when no objects are present in the region of interest.  |
| Objects Enter Area            | The event is triggered when the specified number of objects have entered the region of interest.   |
| Objects Leave Area            | The event is triggered when the specified number of objects have left the region of interest.  |
| Object Stops in Area          | The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time.  |
| Direction Violated            | The event is triggered when an object moves in the prohibited direction of travel.   |
| Smart Motion Rule             | Events are sent for person (including crawling) and vehicle present, against default unchangeable parameters.  |
| Tamper Detection              | The event is triggered when the scene unexpectedly changes.  |
| Crowd Size                    | This event is triggered when the number of people is exceeded over a configurable duration.  |
| Unusual Crowd Growth          | This event is triggered when a crowd size grows unexpectedly.  |
| Unusual Crowd Size            | This event is triggered when an unusual crowd size is detected.  |

Analytics capabilities, including detection range, may vary by camera line. Please consult the Pelco Smart Analytics Design Guide for details specific to the Sarix Enhanced 4 Series.

| Supported Classified Object Types |   |
|-----------------------------------|---|
| Object Types in Outdoor Mode      | Vehicle, sub-types: Car, Pickup Truck, Large Truck, Van, Bicycle, Motorcycle, Bus<br>Person |
| Object Types in Indoor Mode       | Person  |

| Supported Audio Analytics Events    |                 |
|-------------------------------------|-----------------|
| Scream                              | Up to 15 meters |
| Glass Break                         | Up to 15 meters |
| Car Alarm                           | Up to 30 meters |
| Smoke Alarm                         | Up to 15 meters |
| Dog Bark                            | Up to 15 meters |
| Tire Screech <sup>1</sup>           | Up to 15 meters |
| Loud Noise                          | Up to 40 meters |
| Ultrasonic Panic Alarm <sup>2</sup> | Up to 40 meters |

<sup>1</sup>The detection range is limited to up to 8 meters in loud environments.

<sup>2</sup>The detection range is influenced by the quality and power of the device used to create the panic alarm.

| Pelco Elevate Supported Features       |  |
|--|--|
| Image Health                           | Detects incremental changes in the cameras view, such as position shifts or obstructions. Notifies users through ONVIF conformant events and summarized email reports. |
| Firmware Management                    | Schedule and deploy automatic firmware updates to multiple cameras, or update individual cameras on-demand.  |
| Visible Firearm Detection <sup>4</sup> | Triggers an ONVIF event is a suspected firearm is detected in the scene.   |

<sup>4</sup> Optional add-on license required.

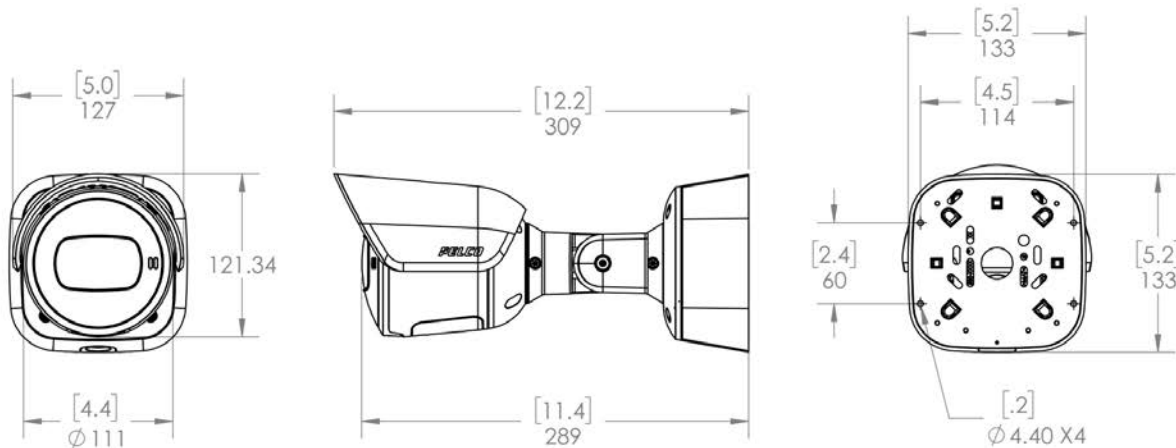
| VideoXpert Supported Features |  |
|-------------------------------|--|
| 3.22                          | Support for video analytic events without vehicle sub-classes.                                   |
| 3.23 or higher                | Support for crowd detection, audio analytics and video analytic events with vehicle sub-classes. |

| Pelco Connect Supported Features |  |
|----------------------------------|--|
| Genetec                          | Support for Pelco Forensic Search and Analytics Configuration with the Genetec plugin.   |
| Milestone                        | Support for Pelco Forensic Search and Analytics Configuration with the Milestone plugin. |

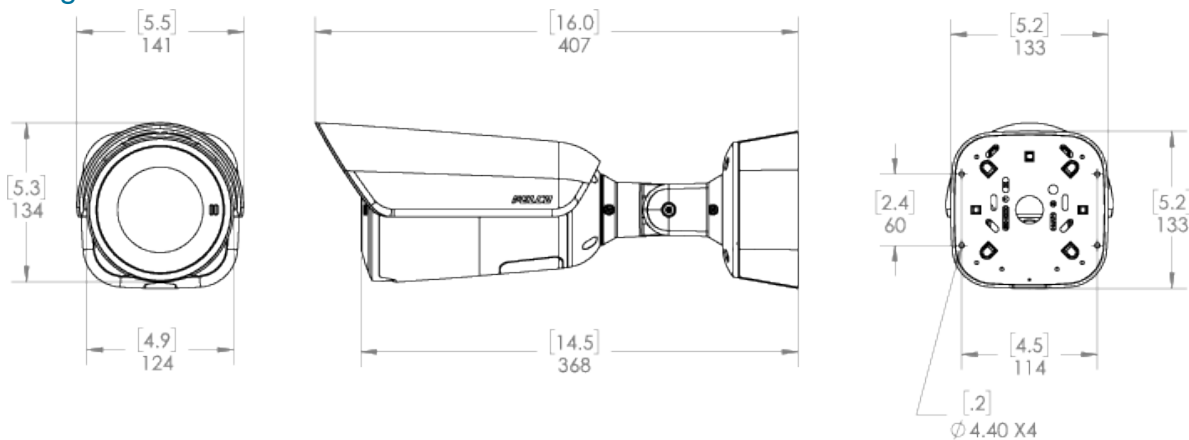
## Outline Dimensions

### Short Bullet Camera

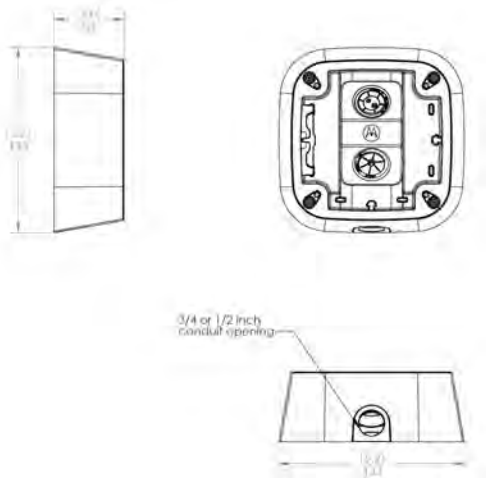
| [X.X] | INCHES |
|-------|--------|
| X     | MM     |



### Long Bullet Camera



## Junction Box



## Ordering Information

### Bullet Camera

| Model               | MP  | WDR | SureVision Technology | Lens           | IR | Analytics | Smart Compression | Microphone | Seamless Failover |
|---------------------|-----|-----|-----------------------|----------------|----|-----------|-------------------|------------|-------------------|
| SRXE4-2V12-EBT-IR1  | 2.0 | ✓   | ✓                     | 2.8 - 12 mm    | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-2X33-EBT-IR1  | 2.0 | ✓   | ✓                     | 4.5 - 148.5 mm | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-4V9-EBT-IR1   | 4.0 | ✓   | ✓                     | 4.4 - 9.3 mm   | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-4X31-EBT-IR1  | 4.0 | ✓   | ✓                     | 6.9 - 214.6 mm | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-6V9-EBT-IR1   | 6.0 | ✓   | ✓                     | 4.4 - 9.3 mm   | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-6X31-EBT-IR1  | 6.0 | ✓   | ✓                     | 6.9 - 214.6 mm | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-8V9-EBT-IR1   | 8.0 | ✓   | ✓                     | 4.4 - 9.3 mm   | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4-8X31-EBT-IR1  | 8.0 | ✓   | ✓                     | 6.9 - 214.6 mm | ✓  | ✓         | ✓                 | ✓          |                   |
| SRXE4P-4V9-EBT-IR1  | 4.0 | ✓   | ✓                     | 4.4 - 9.3 mm   | ✓  | ✓         | ✓                 |            | ✓                 |
| SRXE4P-4X31-EBT-IR1 | 4.0 | ✓   | ✓                     | 6.9 - 214.6 mm | ✓  | ✓         | ✓                 |            | ✓                 |
| SRXE4P-8V9-EBT-IR1  | 8.0 | ✓   | ✓                     | 4.4 - 9.3 mm   | ✓  | ✓         | ✓                 |            | ✓                 |
| SRXE4P-8X31-EBT-IR1 | 8.0 | ✓   | ✓                     | 6.9 - 214.6 mm | ✓  | ✓         | ✓                 |            | ✓                 |

### Bullet Camera Accessories

|                 |   |
|-----------------|---|
| SRXE4-EBTSLD    | Replacement BO1 bullet sunshield                          |
| SRXE4-EBT2SLD   | Replacement BO2 bullet sunshield                          |
| CBLKIT-1011     | USB adapter cable, for use with USB-AC56 Wifi install kit |
| USB-AC56-NA-MSI | USB Wifi adapter install kit (North America)              |
| USB-AC56-EU-MSI | USB Wifi adapter install kit (Europe)                     |
| PLMT-1001       | Pole mount adapter  |
| CRNMT-1001      | Corner mount adapter                                      |
| CAM-FIPS        | Camera license to enable FIPS cryptographic module.       |



# Support

Learn more and find additional documentation at [pelco.com](https://pelco.com) or email [support@pelco.com](mailto:support@pelco.com) for specific product support.



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