

SARIX[®] MULTI PRO CAMERA

9 MP

12 MP

15 MP

20 MP

24 MP

32 MP

Providing multi-directional coverage and flexible mounting options, the Sarix[®] Multi Pro Camera series allows you to achieve total coverage across 180, 270 or 360-degrees fields of view from a single vantage point. With resolutions of up to 32 MP, this camera series features SureVision technology that delivers great low light and True Wide Dynamic Range performance, giving security operators the ability to look in multiple directions across large spaces with great clarity.



FEATURES

FLEXIBLE CONFIGURATIONS FOR WIDE AREA COVERAGE



Choose from models with 3 or 4 imager modules that can be configured to cover fields of view of up to 360-degrees from a single vantage point.

ADAPTIVE IR TECHNOLOGY OPTION



Provides security detail in total darkness, even as objects approach the camera.

H.264 AND H.265 WITH SMART COMPRESSION TECHNOLOGY



Optimizes compression levels for regions in a scene to help maximize bandwidth savings and keep storage costs down.

ONVIF[®] COMPLIANT



ONVIF Profile S, G and T compliance allows for easy integration with leading VMS brands.

WIDE DYNAMIC RANGE AND SUREVISION TECHNOLOGY



SureVision technology delivers excellent low light and true wide dynamic range performance simultaneously.

LOWER OVERALL DEPLOYMENT COSTS



Save on installation time and costs with a single camera installation, cable and VMS license.

VANDAL & WATER RESISTANT



Rated IK10 for vandal resistance and IP66/67 for water resistance, enabling use in indoor and challenging outdoor conditions.

PEACE OF MIND



We back our Sarix Multi Pro Camera with a 5-year industry leading warranty, with onsite support and 24/7 phone support.

ONVIF is a trademark of Onvif, Inc.

SPECIFICATIONS

| IMAGE PERFORMANCE | 3.0 MP | 5.0 MP | 4K (8.0 MP) |
|---|---|--------------|---|
| Image Sensor | 1/2.8" progressive scan CMOS | | 1/2.5" progressive scan CMOS |
| Active Pixels | 2048 (H) x 1536 (V) | 2592 x 1944 | 3840 x 2160 |
| 3 x Image Sensor, Max Resolution (per image sensor) | 6144 (H) x 1536 (V) | 7776 x 1944 | 11520 x 2160 |
| 4 x Image Sensor, Max Resolution (per image sensor) | 8192 (H) x 1536 (V) | 10368 x 1944 | 15360 x 2160 |
| Aspect Ratio | 4:3 | 4:3 | 16:9 |
| IR Illumination - Optional (high power 850 nm LEDs) | 30 m (98 ft) maximum distance at 0 lux when camera is mounted at 4 m (13 ft) off the ground | | |
| Minimum Illumination | 2.8 mm: 0.025 lux (F1.2) in color mode 0.005 lux (F1.2) in mono mode 0 lux with optional IR illuminator 4 mm: 0.05 lux (F1.6) in color mode 0.010 lux (F1.6) in mono mode 0 lux with optional IR illuminator | | 0.02 lux (F1.8) in color mode 0.04 lux (F1.8) in mono mode 0 lux with optional IR illuminator |
| Dynamic Range | 100 dB, true WDR, dual exposure | | |
| 3D Noise Reduction Filter | Yes | | |
| All Sensors: | | | |
| 3 x Image Sensor (60 Hz, 50 Hz) | 24 / 25 fps | 15 / 17 fps | 12 / 13 fps |
| 4 x Image Sensor (60 Hz, 50 Hz) | 20 / 20 fps | 13 / 13 fps | 8 / 8 fps |
| Image Rate-High Framerate Mode*: | | | |
| 3 x Image Sensor (60 Hz, 50 Hz) | 30 / 25 fps | 20 / 20 fps | 15 / 14 fps |
| 4 x Image Sensor (60 Hz, 50 Hz) | 20 / 20 fps | 15 / 14 fps | 10 / 10 fps |

*Sabotage Detection is not operational in this mode.

| IMAGE CONTROL | |
|----------------------------|--|
| Image Compression Method | H.264 Pelco Smart Compression, H.265 Pelco Smart Compression, Motion JPEG |
| Streaming | Multi-stream H.264, Multi-stream H.265, Motion JPEG, Pelco Smart Compression |
| Motion Detection | Selectable sensitivity and threshold |
| Electronic Shutter Control | Automatic, Manual (1/8 to 1/8000 sec) |
| Iris Control | Fixed |
| Day/Night Control | Automatic, Manual |
| Flicker Control | 60 Hz, 50 Hz |
| White Balance | Automatic, Manual |
| Backlight Compensation | Adjustable |
| Privacy Zones | Up to 64 zones |
| Audio Compression Method | G.711 PCM 8 kHz |
| Audio Input/Output | Line level input and output |
| External I/O Terminals | Alarm In, Alarm Out |

| LENS (PER IMAGE SENSOR) | 3.0 MP | 5.0 MP | 4K (8.0 MP) |
|-----------------------------------|---|---|---|
| Lens and Horizontal Field of View | 2.8 mm F1.2 - 103 ° 4 mm F1.6 - 72 ° Remote Focus | 2.8 mm F1.2 - 103 ° 4 mm F1.6 - 72 ° Remote Focus | 4 mm F1.8 - 101 ° 5.2 mm F1.8 - 70 ° Remote Focus |

| NETWORK | |
|-----------------------------|--|
| Network | Gigabit Ethernet, 100BASE-TX, 1000BASE-TX |
| Cabling Type | CAT5E |
| Connector | RJ-45 |
| API | ONVIF® compliance Profile S, T and G (www.onvif.org) |
| Security | Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, TLS1.3 |
| Protocol | IPv4, IPv6, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS |
| Streaming Protocols | RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP |
| Device Management Protocols | SNMP v2c, SNMP v3 |

| PERIPHERALS | |
|-----------------|--|
| USB Port | USB 2.0 |
| Onboard Storage | MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended. |

| ELECTRICAL | IN-CEILING | SURFACE MOUNT | PENDANT MOUNT |
|-------------------|---|---|---|
| Power Consumption | 26 W with 24 VDC 37 VA with 24 VAC PoE+ | With IR: 52 W with 24 VDC 74 VA with 24 VAC PoE++ or 60 W PoE* Without IR: 26 W with 24 VDC 37 VA with 24 VAC PoE+ | With IR: 52 W with 24 VDC 74 VA with 24 VAC PoE++ or 60 W PoE* Without IR: 26 W with 24 VDC 37 VA with 24 VAC PoE+ |
| External Power | 24 VDC ± 10 %; 24 VAC rms ± 10 %, 50 or 60 Hz | | |
| PoE | 25.5 W PoE+, IEEE 802.3at Type 2 PoE Plus | With IR: High Power 51 W PoE++* Without IR: 25.5 W PoE+, IEEE, 802.3at Type 2 PoE Plus | |

*High power PoE may not be compatible with all switches or injectors. High power PoE is compatible with Cisco® UPoE, up to 60 W over 4 pairs, or with the high PoE products listed in the **Accessories** section. Contact Pelco sales or Pelco technical support for more information.

| MECHANICAL | IN-CEILING | SURFACE MOUNT | PENDANT MOUNT |
|------------------------------|--|--|--|
| Dimension | Overall: 298 mm x 161 mm (11.75" x 6.33") Below mounting surface: 298 mm x 64 mm (11.75" x 2.52") | 304 mm x 114 mm (11.95" x 4.48") | With Mount: 401 mm x 329 mm x 260 mm (15.77" x 12.96" x 10.25") With NPT Adapter: 248 mm x 329 mm (9.75" x 12.96") |
| Weight | Mount: 1100 g (2.4 lbs) Bezel: 490 g (1.1 lbs) Camera Module (4 lenses): 1550 g (3.4 lbs) | Mount: 950 g (2.1 lbs) Bezel: 1250 g (2.8 lbs) Camera Module (4 lenses): 1550 g (3.4 lbs) Optional IR Illuminator Ring: 670 g (1.5 lbs) | Wall Mount: 1190 g (2.6 lbs) NPT Adapter Mount: 470 g (1.04 lbs) Pendant: 1680 g (3.7 lbs) Bezel: 1250 g (2.8 lbs) Camera Module (4 lenses): 1550 g (3.4 lbs) Optional IR Illuminator Ring: 670 g (1.5 lbs) |
| Body | Aluminum, Plastic dome trim | Aluminum | Aluminum |
| Finish | Plastic, Injection Molded, Pantone 427C | Cast, Anodized and Powder Coated, Pantone 427C | Cast, Anodized and Powder Coated, Pantone 427C |
| Environmental | Not applicable | IK10 Impact Rating, IP66 Weather Rating, NEMA 4X, NEMA TS-2 | |
| Optional IR Illuminator Ring | Not available | Optional accessory, 30 m (98 ft) IR range | |

| ENVIRONMENTAL | IN-CEILING | SURFACE MOUNT | PENDANT MOUNT |
|-----------------------|------------------------------------|-------------------------------------|---------------|
| Operating Temperature | -10 °C to +50 °C (14 °F to 122 °F) | -40 °C to +60 °C (-40 °F to 140 °F) | |

| ENVIRONMENTAL | IN-CEILING | SURFACE MOUNT | PENDANT MOUNT |
|---------------------|------------------------------------|---------------|---------------|
| Storage Temperature | -10 °C to +70 °C (14 °F to 158 °F) | | |
| Humidity | 0 - 95% non-condensing | | |

| PER SENSOR | | | |
|------------|---|--|--|
| Tilt | +7° to 96 ° from horizon | | |
| Pan | +/-120 ° (depending on position of image sensors) | | |
| Azimuth | +/-180 ° | | |

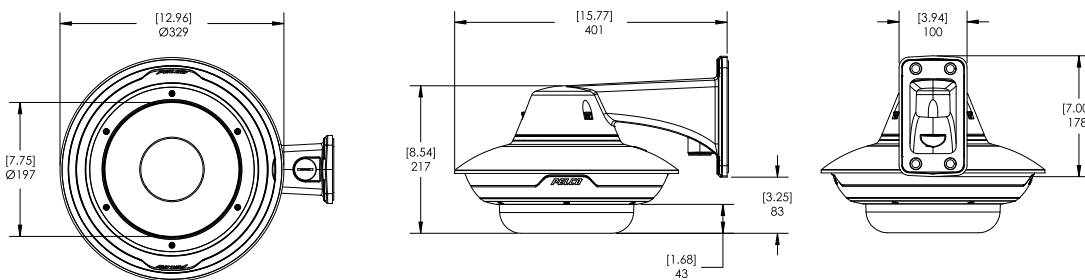
| CERTIFICATIONS | IN-CEILING | SURFACE MOUNT | PENDANT MOUNT |
|---------------------------|--|--|---------------|
| Certifications/Directives | UL, cUL, CE, ROHS, WEEE, RCM, EAC*, BIS*, KC*, UKCA, NOM* | | |
| Safety | UL 62368-1, CSA 62368-1, IEC/EN 62368-1 | | |
| Environmental | UL 2043 Plenum | UL/CSA/IEC 60950-22 IEC 60529 IP66, IP67 Rating IK10 Impact Rating IEC 60068 2-6 Vibration IEC 60068 2-27 Shock NEMA 4X FDOT*/NEMA TS2, 150 mph Wind Speed rating* | |
| Electromagnetic Emissions | FCC Part 15 Subpart B Class B, IC ICES-003 Class B, EN 55032 Class B, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3 | | |
| Electromagnetic Immunity | EN 55024, EN 61000-6-1, EN 50121-4 (when used with FERR-1001 on aux power) | | |
| Directives | RoHS, Reach (SVHC), WEEE | | |

*These certifications are in process and will be available after launch.

| SUPPORTED VIDEO EVENTS | |
|------------------------|---|
| Sabotage Detection | The event is triggered when the scene unexpectedly changes. |
| Motion Detection | The event is triggered when there is pixel motion in specified region above set thresholds. |

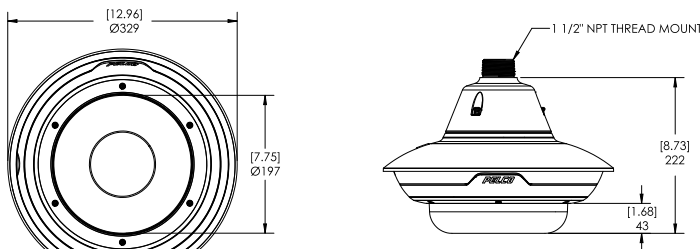
OUTLINE DIMENSIONS

PENDANT WALL MOUNT

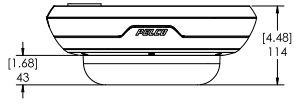
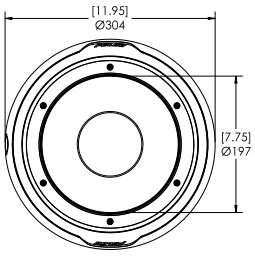


| [X.X] | INCHES |
|-------|--------|
| X | MM |

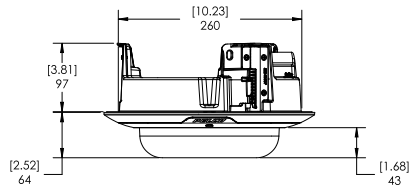
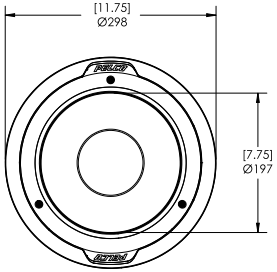
PENDANT NPT MOUNT



SURFACE MOUNT







IN-CEILING MOUNT



ORDERING INFORMATION

The variety of mounting options for the Sarix Multi Pro Camera provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

| MOUNTING SCENARIO | | ORDERING INFORMATION |
|--------------------|---|---|
| PENDANT WALL MOUNT |  | Order one of: <ul style="list-style-type: none"> • Camera base module • IMD1-PMT • IMD1-SPLD0 or IMD1-SPLD1 • WLMT-1001 • Optional, IMD1-IR |
| PENDANT NPT MOUNT |  | Order one of: <ul style="list-style-type: none"> • Camera base module • IMD1-PMT • IMD1-SPLD0 or IMD1-SPLD1 • NPT-1001 • Optional, IMD1-IR1 |
| SURFACE MOUNT |  | Order one of: <ul style="list-style-type: none"> • Camera base module • IMD1-SMT • IMD1-SPLD0 or IMD1-SPLD1 • Optional, IMD1-IR1 |
| IN-CEILING MOUNT |  | Order one of: <ul style="list-style-type: none"> • Camera base module • IMD1-INC • IMD1-INCLD1 or IMD1-INCLD0 • Optional, CLPNL-1001 if ceiling panel is needed |

CAMERA MODULES

With the modular design of the Sarix Multi Pro Camera, any camera module can be paired with any mounting adapter for maximum versatility and optimal installation. Each camera module must be ordered with a matching mounting adapter and dome cover. For complete coverage on the outside corner of a building, including downwards, order a 4-imager 360 degree model.

| DISPLAY PART NUMBER | DESCRIPTION |
|---------------------|--|
| IMD9118 | 3x3 MP, WDR, SureVision, 180 degree max field of view, 4 mm, Camera Base Module |
| IMD9127 | 3x3 MP, WDR, SureVision, 270 degree max field of view, 2.8 mm, Camera Base Module |
| IMD12136 | 4x3 MP, WDR, SureVision, 360 degree max field of view, 2.8 mm, Camera Base Module |
| IMD15118 | 3x5 MP, WDR, SureVision, 180 degree max field of view, 4 mm, Camera Base Module |
| IMD15127 | 3x5 MP, WDR, SureVision, 270 degree max field of view, 2.8 mm, Camera Base Module |
| IMD20136 | 4x5 MP, WDR, SureVision, 360 degree max field of view, 4 mm, Camera Base Module |
| IMD24118 | 3x4K (8 MP), WDR, SureVision, 180 degree max field of view, 5.2 mm, Camera Base Module |
| IMD24127 | 3x4K (8 MP), WDR, SureVision, 270 degree max field of view, 4 mm, Camera Base Module |
| IMD32136 | 4x4K (8 MP), WDR, SureVision, 360 degree max field of view, 4 mm, Camera Base Module |

* For complete coverage on the outside corner of a building, including downwards, order a 4-imager 360 degree model.

MOUNTING ADAPTERS AND DOME COVERS

The Sarix Multi Pro Camera modular design provides pendant, surface, or in ceiling mounting adapters and a choice of two lower domes compatible with all the Sarix Multi Pro Camera camera modules.

| DISPLAY PART NUMBER | DESCRIPTION |
|---------------------|--|
| IMD1-SMT | Outdoor surface mount adapter, must order either a IMD1-SPLD1 or IMD1-SPLD0. |
| IMD1-PMT | Outdoor pendant mount adapter, must order one of WLMT-1001 or NPTA-1001 and one of IMD1-SPLD1 or IMD1-SPLD0. |
| IMD1-INC | In-ceiling adapter, must order either a IMD1-INCLD1 or IMD1-INCLD0. |
| IMD1-SPLD0 | Lower dome, for surface or pendant mounted Sarix Multi Pro, smoked. Not recommended for lowlight applications. |
| IMD1 SPLD1 | Lower dome, for surface or pendant mounted Sarix Multi Pro, clear. |
| IMD1-INCLD0 | Lower dome, for in-ceiling mounted Sarix Multi Pro, smoked. Not recommended for lowlight applications. |
| IMD1-INCLD1 | Lower dome, for in-ceiling mounted Sarix Multi Pro, clear. |
| WLMT-1001 | Pendant wall arm adapter, for use with IMD1-PMT. |
| NPTA-1001 | Pendant NPT adapter for use with IMD1-PMT. |
| PLMT-1001 | Aluminum pole mount for use with WLMT-1001. |
| CRNMT-1001 | Aluminum corner mount for use with WLMT-1001. |
| CLPNL-1001 | Metal ceiling panel for use with in-ceiling mounted Sarix Multi Pro Camera. |
| CBLKT-1001 | Cable kit replacement for Multi Head cameras. |

OPTIONAL IR ILLUMINATOR

The optional IR Illuminator is available for the Sarix Multi Pro Camera when mounted in a pendant or surface mount adapter.

| DISPLAY PART NUMBER | DESCRIPTION |
|---------------------|---|
| IMD1-IR | Optional IR illuminator ring, up to 30 m (100 ft), for use with IMD1-SPLD1. |

OPTIONAL INJECTORS AND SWITCHES

| DISPLAY PART NUMBER | DESCRIPTION |
|--|---|
| PDS-104G0/AC/M-CC-MSI | Managed switch, 4 port, Outdoor IP66, -40 °C (-40 °F) to 50 °C (122 °C), Gigabit Ethernet, AC power input. 1x SFP uplink and 4 port RJ45. Maximum PoE power allocation: Up to 4 ports of PoE+ each, or 2 ports of 60 W PoE each. In 60 W PoE mode, compatible with Sarix Multi Pro Camera. |
| PLMT-1011 | Pole mount bracket for PDS-104G0/AC/M-CC-MSI switch. |
| PD-9501GR/AC-NA-MSI | Indoor single port Gigabit PoE++ 60 W, North American power cord included. Injector operational temperature range -10 °C to +45 °C (14 °F to 113 °F). Enables use with IR illuminator. May also be used in European Union, Japan, Australia, New Zealand, Mexico, China, South Korea, Russia, Argentina, Saudi Arabia, Kuwait, UAE and Brazil. |
| PD-9001GR/AT/AC-*MSI *NA, AU, EU, or UK | Indoor single port PoE+ 30W injector. Injector operational temperature range -20 °C to +40 °C (-4 °F to 104 °F). Versions of power cord available for North America, Australia, European Union, and United Kingdom. |
| POE190-BT | HPoE 802.3BT Single Port Injector 90 W. Models with US, EU, or UK power cords for use with models with IR Illuminator. |
| POE430-AT | 4 Port PoE AT 30W Midspan AC Input. Models with US or EU power cord. |
| POE1236-AT | 12 Port PoE AT 36W Midspan AC DC Input. Models with US or EU power cord. |
| POE2436-AT | 24 Port PoE AT 36W Midspan AC DC Input. Models with US or EU power cord. |
| POE130-XT | Single Port 802.3AF 802.3AT Extender 100M for use with POE190-BT. |

OPTIONAL ACCESSORIES

| DISPLAY PART NUMBER | DESCRIPTION |
|---------------------|---|
| FERR-1001 | Ferrite clamp for use with aux power cable when meeting EN 50121-4 requirements. Pack of 5. |

SUPPORT

Learn more and find additional documentation at pelco.com or email support@pelco.com for specific product support.



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