

Product Comparison Guide IP Video Solutions



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As the global leader in the design and development of video and security systems, Pelco™ by Schneider Electric™ produces an unmatched array of IP cameras, HD displays, and network video management systems (VMSs). From end-to-end HD cameras to open and integrated solutions, Pelco has an IP video solution to suit your application.

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Network Panoramic Cameras

Optera™ is the next best thing to being in the middle of the scene itself, offering the unparalleled ability to find and capture the necessary evidence to make critical, business-enabling decisions. Optera's Panomersive Experience delivers up to 12 MP resolution with the option for completely stitched, seamless and blended 180, 270, or 360 degree views without the disruption and distraction of disjointed sensor boundaries.

| | Optera 180 Degree Cameras | Optera 270 Degree Cameras* | Optera 360 Degree Cameras* |
|------------------------------------|---|---|---|
| |  <p>IMM12018-x</p> |  <p>IMM12027-x</p> |  <p>IMM12036-x</p> |
| Video Compression | H.264 High, Main, or Base profiles; | H.264 High, Main, or Base profiles; | H.264 High, Main, or Base profiles; |
| Max IPS at Max Resolution | Up to 12.5 frames per second (fps) at 12 MPx resolution | Up to 12.5 frames per second (fps) at 12 MPx resolution | Up to 12.5 frames per second (fps) at 12 MPx resolution |
| Audio | 600 ohm differential, 1Vp-p max. signal level | 600 ohm differential, 1Vp-p max. signal level | 600 ohm differential, 1Vp-p max. signal level |
| Analytics | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle |
| Local Storage | Built-in micro SD Card, SDHC slot | Built-in micro SD Card, SDHC slot | Built-in micro SD Card, SDHC slot |
| Power input | PoE+ (IEEE 802.3at, Class 4) | PoE+ (IEEE 802.3at, Class 4) | PoE+ (IEEE 802.3at, Class 4) |
| Operating Temperature Range | Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)† | Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)† | Indoor Vandal -10° to 50 °C (14° to 122 °F)† Environmental Vandal -40° to 50 °C (-40° to 122 °F)† |
| Mount Options | In-Ceiling, Surface Mount, Pendant Mount | In-Ceiling, Surface Mount, Pendant Mount | In-Ceiling, Surface Mount, Pendant Mount |
| Rugged | IP66 rated - Environmental vandal only | IP66 rated - Environmental vandal only | IP66 rated - Environmental vandal only |
| Open connectivity | Pelco API, Panomersive SDK, ONVIF Profile S and G | Pelco API, Panomersive SDK, ONVIF Profile S and G | Pelco API, Panomersive SDK, ONVIF Profile S and G |
| Other Related Products | Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series | Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series | Mounts: IMM-PNL, IMM-CM, IMM-DF5, WMVE-SR, WMVE-WT/BK, PA101 Accessories: POE1AT, POE4ATN, POE8ATN, POE16ATN, EC-3000C/U Series, EC-4BY1SWC/U Series |

Network Panoramic Cameras

Evolution 360° cameras provide total situational awareness over a 360-degree field of view. The Evolution 360° cameras series include Mini Indoor, Indoor Concealed, Indoor and Outdoor Dome models. The many facets of the Evolution 360-Degree camera and its forensic capabilities are literally limitless, ranging in every application imaginable from city surveillance, to retail, to gaming, and more.

| | Evolution 360° Mini Indoor | Evolution 360° Indoor Concealed | Evolution 360° Indoor | Evolution 360° Outdoor Dome |
|-------------------------------|--|--|---|---|
| |  <p>EVO-05LID</p> |  <p>EVO-05NCD</p> |  <p>EVO-05NID (White) EVO-05NJD (Black)</p> |  <p>EVO-05NMD (White) EVO-05NND (Black)</p> |
| Mount Options | Surface mount | Behind ceiling or wall to conceal the camera module from view via flush mounted adaptor ring | Surface mount (or with a range of mounting accessories for mounting to a pole / wall / pendant) | Surface mount (or with a range of mounting accessories for mounting to a pole / wall / pendant) |
| Rugged | IP40-rated – Indoor use only | IP54-rated – Indoor use only | IP54-rated – Indoor use only | IP66-rated; Shock and Vibration (BS EN 60068-2-64 and BS EN 60068-2-27) |
| Open connectivity | ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms | ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms | ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms | ONVIF Profile S, client-side dewarping Digital Sentry 7.5 (or later) Endura 360 Viewer and other leading VMS platforms |
| Other Related Products | Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android) | Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android) | Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android) | Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android) |



Network Indoor Dome Cameras

The next-generation Sarix™ Enhanced Range with SureVision 2.0 mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IME Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IME Indoor Mini Domes with SureVision 2.0



| | IME129-1IS | IME229-1IS | IME329-1IS |
|----------------------------|--|--|--|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 |
| Image Sensor | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes |
| Wide Dynamic Range | >120 dB | >120 dB | >120 dB |
| Color Illumination | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 60 ips | 60 ips | 60 ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac, 12 Vdc | PoE (IEEE 802.3af, Class 3), 24 Vac, 12 Vdc | PoE (IEEE 802.3af, Class 3), 24 Vac, 12 Vdc |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

Network Indoor Dome Cameras

Designed for performance, premium experience, and mission-critical applications, the Sarix Enhanced Range with SureVision 2.0 delivers industry-leading image quality in the most difficult lighting conditions. The Sarix Enhanced Range packs the most popular features and functionality of Sarix technology into a variety of indoor IP cameras. Mix and match the form factors you need for one of the widest selections of cameras in the industry.

Sarix IME Series Indoor Mini Domes with SureVision 2.0



| | IMES19-1x* | IME119-1x* | IME219-1x* | IME319-1x*, IME319-B1x* | IME3122-1x*, IME3122-B1x* |
|----------------------------|---|---|---|---|---|
| Max Resolution | 800x600 | 1280x1024 | 1920x1080 | 2048x1536 | 2048x1536 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 9-22mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 100 dB | 100 dB | 100 dB | 100 dB | 100 dB |
| Color Illumination | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.40 lux @ f/1.6 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 30 ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Local Storage | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card |
| Power Input | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) |
| Pelco System Compatibility | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

* Add suffix to specify mount - I for in-ceiling mount, S for surface mount, P for pendant mount.

It Starts with Video...

...Where It Leads Is Up To You.

Network Indoor Dome Cameras

The next-generation Sarix™ IMP Series mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IMP Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.



Next Generation Sarix IMP Indoor Mini Domes

| |  IMP121-1IS |  IMP221-1IS |  IMP321-1IS |  IMP521-1IS |
|----------------------------|---|---|---|---|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/3-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/1.8-inch CMOS |
| Lens | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 75 dB | 75 dB | 75 dB | 75 dB |
| Color Illumination | 0.05 lux @ f/1.4 | 0.25 lux @ f/1.2 | 0.25 lux @ f/1.2 | 0.30 lux @ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 15 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power Input | PoE Class 2, 24 Vac nominal, 18 to 32 Vac range, 12 Vdc | | | |
| Pelco System Compatibility | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |






Network Indoor Micro Dome Cameras

The next-generation Sarix™ IMP Series mini dome cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IMP Series features advanced color science and a mechanical IR cut filter for increased sensitivity in low-light installations.

Next Generation Sarix IJP Micro Dome Cameras

| |  IJP121-1IS |  IJP221-1I |
|----------------------------|--|--|
| Max Resolution | 1280 x 960 | 1920 x 1080 |
| Image Sensor | 1/3-inch CMOS | 1/2.8-inch CMOS |
| Lens | 2.8 varifocal | 2.8, varifocal |
| Focus/Zoom | N/A | N/A |
| Day/Night | Yes | Yes |
| Dynamic Range | Yes, electronic 75dB | Yes, electronic 75dB |
| Color Illumination | 0.05 lux@ f/1.8 | 0.25 lux@ f/1.8 |
| Video Compression | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28181 | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28182 |
| Power Input | PoE (IEEE 802.3af, Class 2) | PoE (IEEE 802.3af, Class 2) |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G |

Sarix IMP Series Indoor Mini Domes

| |  IMPS110-1x* |  IMP1110-1x* |  IMP219-1x* |  IMP319-1x* |  IMP519-1x* |
|----------------------------|---|---|---|---|---|
| Max Resolution | 800x600 | 1280x720 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/4-inch CMOS | 1/4-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3.2-inch CMOS |
| Lens | 2.8-10mm, varifocal | 2.8-10mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB |
| Color Illumination | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 20 ips | 12 ips |
| Audio | Line-in | Line-in | Line-in | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Local Storage | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP |
| Power Input | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac |
| Pelco System Compatibility | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |



* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.



**Next Generation
Sarix™ Professional Range
Maximum Selection for Any Application**






Network Indoor Box Cameras

For mission critical applications including transportation, critical infrastructure and government installs, the Sarix IXE Series Box Camera features SureVision 2.0 to deliver industry leading image quality in the most difficult lighting conditions

| Sarix IXE Series Box Cameras with SureVision 2.0 | | | | |
|--|---|---|---|---|
| |  |  |  |  |
| | IXES1 | IXE11 | IXE21 | IXE31 |
| Max Resolution | 800x600 | 1280x1024 | 1920x1080 | 2048x1536 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS |
| Lens | CS Mount | CS Mount | CS Mount | CS Mount |
| Focus | Auto Back Focus | Auto Back Focus | Auto Back Focus | Auto Back Focus |
| Day/Night | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 100 dB | 100 dB | 100 dB | 100 dB |
| Color Illumination | 0.0013 lux @ f/1.2 | 0.0013 lux @ f/1.2 | 0.0013 lux @ f/1.2 | 0.0013 lux @ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30ips | 30ips | 30ips | 30ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | | | |
| Analytics | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle |
| Local Storage | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card |
| Power Input | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) |
| Pelco System Compatibility | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application | Endura 2.0 (or later); Digital Sentry 7.3 (or later); DX4700/DX4800; Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |






Network Indoor Box Cameras






Sarix utilizes a groundbreaking technology platform built upon the three pillars of innovative imaging: science, sophisticated industrial design, and advanced processing power. Available across a complete family of fixed box and dome cameras, Sarix technology maximizes the benefits of megapixel performance with industry-leading features and capabilities.

| Sarix IXP Series Indoor Box Cameras | | | | | |
|-------------------------------------|---|---|--|---|---|
| |  |  |  |  |  |
| | IXPS1 | IXP11 | IXP21 | IXP31 | IXP51 |
| Max Resolution | 800x600 | 1280x720 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/4-inch CMOS | 1/4-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3.2-inch CMOS |
| Lens | CS Mount | CS Mount | CS Mount | CS Mount | CS Mount |
| Focus | Auto Back Focus | Auto Back Focus | Auto Back Focus | Auto Back Focus | Auto Back Focus |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB |
| Color Illumination | 0.03 lux@ f/1.4 | 0.03 lux@ f/1.4 | 0.03 lux@ f/1.2 | 0.03 lux@ f/1.2 | 0.03 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 20 ips | 12 ips |
| Audio | Line-in | Line-in | Line-in | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage |
| Local Storage | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card | Up to 32 GB on MicroSDHC or SDXC card |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | | | | |
| Power Input | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

Network Indoor Bullet Cameras

The next-generation Sarix IBP Series indoor and outdoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBP Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.






| Next Generation Sarix IBP Series Indoor Bullet | | | | | |
|--|---|---|---|---|---|
| |  |  |  |  |  |
| | IBP121-1I | IBP122-1I | IBP124-1I | IBP221-1I | IBP222-1I |
| Max Resolution | 1280 x 960 | 1280 x 960 | 1280 x 960 | 1920 x 1080 | 1920 x 1080 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS |
| Lens | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm | DC drive lens, 12-40mm | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm |
| Focus | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB |
| Color Illumination | 0.05 lux@ f/1.4 | 0.05 lux@ f/1.4 | 0.05 lux@ f/1.4 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 30 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28181 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28182 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28183 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28184 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28185 |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

| Next Generation Sarix IBP Series Indoor Bullet | | | | | |
|--|---|---|---|---|---|
| |  |  |  |  |  |
| | IBP224-1I | IBP321-1I | IBP322-1I | IBP324-1I | IBP521-1I |
| Max Resolution | 1920 x 1080 | 2048 x 1536 | 2048 x 1536 | 2048 x 1536 | 2592 x 1944 |
| Image Sensor | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/1.8-inch CMOS |
| Lens | DC drive lens, 12-40mm | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm | DC drive lens, 12-40mm | DC drive lens |
| Focus | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB |
| Color Illumination | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.3 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 15 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28186 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28187 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28188 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28189 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28190 |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |






Network Environmental Bullet Cameras

The next-generation Sarix IBP Series indoor and outdoor bullet cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IBP Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.

Next Generation Sarix IBP Series Environmental Bullet with IR

| |  |  |  |  |  |
|----------------------------|---|---|---|---|---|
| | IBP121-1R | IBP122-1R | IBP124-1R | IBP221-1R | IBP222-1R |
| Max Resolution | 1280 x 960 | 1280 x 960 | 1280 x 960 | 1920 x 1080 | 1920 x 1080 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS |
| Lens | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm | DC drive lens, 12-40mm | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm |
| Focus | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB |
| Color Illumination | 0.05 lux@ f/1.4 | 0.05 lux@ f/1.4 | 0.05 lux@ f/1.4 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 30 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | | | | |
| Network Protocols | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28181 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28182 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28183 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28184 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28185 |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |




Next Generation Sarix IBP Series Environmental Bullet with IR

| |  |  |  |  |  |
|----------------------------|---|---|---|---|---|
| | IBP224-1R | IBP321-1R | IBP322-1R | IBP324-1R | IBP521-1R |
| Max Resolution | 1920 x 1080 | 2048 x 1536 | 2048 x 1536 | 2048 x 1536 | 2592 x 1944 |
| Image Sensor | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/1.8-inch CMOS |
| Lens | DC drive lens, 12-40mm | DC drive lens, 3-10.5mm | DC drive lens, 9-22mm | DC drive lens, 12-40mm | DC drive lens |
| Focus | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized | Autofocus, motorized |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB | Yes, electronic 75dB |
| Color Illumination | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.25 lux@ f/1.2 | 0.3 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 15 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage | Simple motion detection camera sabotage |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | | | | |
| Network Protocols | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28186 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28187 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28188 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28189 | TCP/IP, UDP/IP (Unicast, Multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB28190 |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

Network Environmental Bullet Camera

The Sarix Professional Range rounds out the Sarix family by offering Pelco's first IP environmental bullet camera with IR camera. Available with up to 5 MPx resolution, they capture up to 30 images per second (ips) at 1080p. All Sarix Professional cameras integrate with major third-party video management systems through the Pelco API and the open ONVIF Profile S standard.



Sarix IBP Series Environmental Bullets with IR

| |  |  |  |  |  |
|----------------------------|---|---|---|---|---|
| | IBPS110-ER | IBP1110-ER | IBP219-ER | IBP319-ER | IBP519-ER |
| Max Resolution | 800x600 | 1280x720 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/4-inch CMOS | 1/4-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3.2-inch CMOS |
| Lens | 2.8-10mm, varifocal | 2.8-10mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB |
| Color Illumination | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 20 ips | 12 ips |
| IR Illumination | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR |
| Audio | Line-in | Line-in | Line-in | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage |
| Local Storage | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP |
| Power Input | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

Network Vandal Resistant Wedge Cameras

The next-generation Sarix IWP Series indoor and outdoor vandal resistant wedge cameras feature a remote zoom lens for wide angle or long range surveillance needs. Autofocus capability ensures the camera can be automatically refocused when needed. Additionally, the Sarix IWP Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.

Next Generation Sarix IWP Series Vandal Resistant Wedge

| |  |  |
|----------------------------|---|---|
| | IWP121-1ES | IWP221-1ES |
| Max Resolution | 1280x960 | 1920x1080 |
| Image Sensor | 1/3-inch CMOS | 1/2.8-inch CMOS |
| Lens | 2.8mm, built-in fixed | 2.8mm, built-in fixed |
| Focus/Zoom | N/A | N/A |
| Day/Night | Yes | Yes |
| Dynamic Range | 75dB | 75dB |
| Color Illumination | 0.05 lux@ f/1.8 | 0.25 lux@ f/1.8 |
| Video Compression | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips |
| IR Illumination | Yes, (AUTO/MANUAL selectable) | Yes, (AUTO/MANUAL selectable) |
| Audio | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple motion detection/ camera sabotage | Simple motion detection/ camera sabotage |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | |
| Network Protocols | TCP/IP, UDP/IP (unicast, multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB2818 | TCP/IP, UDP/IP (unicast, multicast IGMP), ICMP, IPv4, IPv6, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, UPnP, DNS, NTP, RTP, RTCP, LDAP (client), QoS, GB2819 |
| Power Input | PoE (IEEE 802.3af, Class 2), 24 Vac | PoE (IEEE 802.3af, Class 2), 24 Vac |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G |




Network Environmental/Vandal-Resistant Dome Cameras

Designed for performance, premium experience, and mission-critical applications, the next-generation Sarix Enhanced Range with SureVision 2.0 delivers industry-leading image quality in the most difficult lighting conditions. Built to exacting standards and fully certified and rated for flawless outdoor performance, the Sarix IME Series Environmental Domes with SureVision 2.0 cameras are intended for rain, snow, and the most grueling desert heat.

Next Generation Sarix IME Environmental Vandal Mini Domes with SureVision 2.0

| |  IME129-1ES |  ME229-1ES |  IME329-1ES |
|----------------------------|--|--|---|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 |
| Image Sensor | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes |
| Wide Dynamic Range | >120 dB | >120 dB | >120 dB |
| Color Illumination | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 60 ips | 60 ips | 60 ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | |
| Open Connectivity | ONVIF Profile S and G | | |






Next Generation Sarix IME Environmental Vandal Mini Domes with SureVision 2.0 and IR

| |  IME129-1RS |  IME229-1RS |  IME329-1RS |
|----------------------------|--|---|---|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 |
| Image Sensor | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes |
| Wide Dynamic Range | >120 dB | >120 dB | >120 dB |
| Color Illumination | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 | 0.05 lux @ f/1.3 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 60 ips | 60 ips | 60 ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC | PoE (IEEE 802.3af, Class 3), 24 VAC, 12 VDC |
| Pelco System Compatibility | VideoXpert; Endura version 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | | |
| Open Connectivity | ONVIF Profile S and G | | |

Network Environmental/Vandal-Resistant Dome Cameras






Designed for performance, premium experience, and mission-critical applications, the Sarix Enhanced Range with SureVision 2.0 delivers industry-leading image quality in the most difficult lighting conditions. Built to exacting standards and fully certified and rated for flawless outdoor performance, the Sarix IME Series Environmental Domes with SureVision 2.0 cameras are intended for rain, snow, and the most grueling desert heat.

Sarix IME Environmental Vandal Mini Domes With Surevision 2.0

| |  IMES19-1x* |  IME119-1x* |  IME219-1x* |  IME319-1x*, IME319-B1x* |  IME3122-1x*, IME3122-B1x* |
|----------------------------|---|---|---|---|---|
| Max Resolution | 800x600 | 1280x1024 | 1920x1080 | 2048x1536 | 2048x1536 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 9-22mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 100 dB | 100 dB | 100 dB | 100 dB | 100 dB |
| Color Illumination | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.40 lux @ f/1.6 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 30 ips |
| Video streams | 2 configurable streams | 2 configurable streams | 2 configurable streams | 2 configurable streams | 2 configurable streams |
| Audio | Bidirectional | Bidirectional | Bidirectional | Bidirectional | Bidirectional |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Analytics | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle |
| Local Storage | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP/IP (Unicast, Multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP) | | | | |
| Power Input | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Sarix IME Series Vandal Mini Domes with SureVision 2.0

| |  IMES19-1Vx* |  IME119-1Vx* |  IME219-1Vx* |  IME319-1Vx*, IME319-B1Vx* |  IME3122-1Vx*, IME3122-B1Vx* |
|----------------------------|---|---|---|---|---|
| Max Resolution | 800x600 | 1280x1024 | 1920x1080 | 2048x1536 | 2048x1536 |
| Image Sensor | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS |
| Lens | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 9-22mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 100 dB | 100 dB | 100 dB | 100 dB | 100 dB |
| Color Illumination | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.10 lux @ f/1.2 | 0.40 lux @ f/1.6 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 30 ips | 30 ips |
| Audio | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic | Bidirectional, built in Mic |
| Alarm In/Out | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory | Yes, Multiple alarms with ALM-1 accessory |
| Analytics | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle | Abandoned Object, Adaptive Motion Detection, Camera Sabotage, Directional Motion, Loitering Detection, Object Counting, Object Removal, and Stopped Vehicle |
| Local Storage | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, RTSP, NTP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, LDAP (client), SSH, SSL, SMTP, FTP, ARP, ICMP, and 802.1x (EAP) | | | | |
| Power Input | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) | PoE (IEEE 802.3af, Class 3) |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Network Environmental/Vandal-Resistant Dome Cameras

The nex-generation Sarix Professional Range cameras are powerful and versatile to maximize options for customers in a variety of markets, and are ideal for those looking for reliable, cost-effective solutions that meet the breadth of their mainstream video surveillance needs. Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application

Next Generation Sarix IMP Environmental Mini Domes

| |  IMP121-1ES |  IMP221-1ES |  IMP321-1ES |  IMP521-1ES |
|----------------------------|---|---|---|---|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/3-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/1.8-inch CMOS |
| Lens | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 75 dB | 75 dB | 75 dB | 75 dB |
| Color Illumination | 0.05 lux @ f/1.4 | 0.25 lux @ f/1.2 | 0.25 lux @ f/1.2 | 0.30 lux @ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 15 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power input | PoE+ Class 4, 24 Vac and PoE+ | | | |
| Pelco System Compatibility | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |






Next Generation Sarix IMP Environmental Mini Domes with IR

| |  IMP121-1RS |  IMP221-1RS |  IMP321-1RS |  IMP521-1RS |
|----------------------------|---|---|---|---|
| Max Resolution | 1280x960 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/3-inch CMOS | 1/2.8-inch CMOS | 1/2.8-inch CMOS | 1/1.8-inch CMOS |
| Lens | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal | 3-10.5mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes |
| Wide Dynamic Range | 75 dB | 75 dB | 75 dB | 75 dB |
| Color Illumination | 0.05 lux @ f/1.4 | 0.25 lux @ f/1.2 | 0.25 lux @ f/1.2 | 0.30 lux @ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 15 ips |
| Audio | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out | Dual Channel, Line in and out |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Local Storage | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card | Up to 64 GB on Micro SDHC or SDXC card |
| Power input | PoE+ Class 4, 24 Vac and PoE+ | | | |
| Pelco System Compatibility | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later) | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application | VideoXpert; Endura 2.0 (or later); Digital Sentry 7.3 (or later); Pelco Mobile Application |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

Network Environmental/Vandal-Resistant Dome Cameras






The Sarix Professional Range cameras are powerful and versatile to maximize options for customers in a variety of markets, and are ideal for those looking for reliable, cost-effective solutions that meet the breadth of their mainstream video surveillance needs. Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application

Sarix IMP Series Environmental Mini Domes

| |  IMPS110-1Ex* |  IMP1110-1Ex* |  IMP219-1Ex* |  IMP319-1Ex* |  IMP519-1Ex* |
|----------------------------|---|---|--|--|--|
| Max Resolution | 800x600 | 1280x720 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/4-inch CMOS | 1/4-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3.2-inch CMOS |
| Lens | 2.8-10mm, varifocal | 2.8-10mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB |
| Color Illumination | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 20 ips | 12 ips |
| Audio | Line-in | Line-in | Line-in | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple Motion Detection/ Camera Sabotage | Simple Motion Detection/ Camera Sabotage | Simple Motion Detection/ Camera Sabotage | Simple Motion Detection/ Camera Sabotage | Simple Motion Detection/ Camera Sabotage |
| Local Storage | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | | | | |
| Power Input | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac | PoE (IEEE 802.3af, Class 3), 24 Vac |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.






Sarix IMP Series Environmental Mini Domes with IR

| |  IMPS110-1ERx* |  IMP1110-1ERx* |  IMP219-1ERx* |  IMP319-1ERx* |  IMP519-1ERx* |
|----------------------------|---|--|---|---|---|
| Max Resolution | 800x600 | 1280x720 | 1920x1080 | 2048x1536 | 2592x1944 |
| Image Sensor | 1/4-inch CMOS | 1/4-inch CMOS | 1/3-inch CMOS | 1/3-inch CMOS | 1/3.2-inch CMOS |
| Lens | 2.8-10mm, varifocal | 2.8-10mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal | 3-9mm, varifocal |
| Focus/Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom | Auto Focus, Remote Zoom |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Dynamic Range | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB | Yes, electronic 65dB |
| Color Illumination | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.4 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 | 0.30 lux@ f/1.2 |
| Video Compression | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG | H.264, MJPEG |
| Max IPS at Max Resolution | 30 ips | 30 ips | 30 ips | 20 ips | 12 ips |
| IR Illumination | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR | Yes, Adaptive IR |
| Audio | Line-in | Line-in | Line-in | Line-in | Line-in |
| Alarm In/Out | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output | 1 Input, 1 Output |
| Analytics | Simple Motion Detection / Camera Sabotage | Simple Motion Detection / Camera Sabotage | Simple Motion Detection / Camera Sabotage | Simple Motion Detection / Camera Sabotage | Simple Motion Detection / Camera Sabotage |
| Local Storage | Up to 32GB with microSDHC | Up to 32GB with microSDHC** | Up to 32GB with microSDHC** | Up to 32GB with microSDHC** | Up to 32GB with microSDHC** |
| Network Protocols | TCP/IP, UDP, ICMP, IPv4, SNMP v2c/v3, HTTP, HTTPS, SSL, SSH, SMTP, FTP, RTSP, UPnP, DNS, NTP, RTP, RTCP | | | | |
| Power Input | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card | Up to 32 GB on Micro SDHC or SDXC card |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); Pelco Mobile Application | | | | |
| Open Connectivity | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G | ONVIF Profile S and G |

* Add suffix to specify mount – I for in-ceiling mount, S for surface mount, P for pendant mount.

Network HD Pan/Tilt/Zoom Cameras


Spectra® cameras are a symbol for security the world over for landmarks, airports, bridges, buildings, and provide city surveillance in numerous locations worldwide. These cameras have set the benchmark for image quality, low-light performance, and precision control. The series include Spectra Enhanced, Spectra Professional, and Spectra HD.

| | Spectra Enhanced | | Spectra Professional | | |
|--------------------------------|--|--|--|--|--|
| |  |  |  |  |  |
| | S6220* 2.0MP HD 20x (Standard or environmental) | S6230* 2.0MP HD 30x (Standard or environmental) | P1220* 2.0MP 20x (Standard or environmental) | S5220* 2.0MP HD 20x (Standard or environmental) | S5230* 2.0MP HD 30x (Standard or environmental) |
| Imager/Scanning | 1/2.8-inch Type Exmor CMOS Sensor | 1/2.8-inch Type Exmor CMOS Sensor | 1/2.8-inch Type Exmor CMOS Sensor | 1/2.8-inch Type Exmor CMOS/ Progressive | 1/2.8-inch Type Exmor CMOS/ Progressive |
| Lens / Zoom | f/1.6 ~ f/3.5, 4.7 mm ~ 94.0 mm / 20x optical zoom, 12x digital zoom | f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 30x optical zoom; 12x digital zoom | f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 20x optical zoom, 12x digital zoom | f/1.6 ~ f/3.5, 4.7 mm ~ 94.0 mm / 20x optical zoom; 12x digital zoom | f/1.6 ~ f/4.7, 4.3 mm ~ 129.0 mm / 30x optical zoom; 12x digital zoom |
| Field Of View | 2.9° ~ 55.4° | 2.1° ~ 59.5° | 2.9° to 55.4° | 2.9° ~ 55.4° | 2.1° ~ 59.5° |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| Resolution | 1920x1080 | 1920x1080 | 1920 x 1080 | 1920x1080 | 1920x1080 |
| Sensitivity | Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON | Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 43 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON | Sensitivity in lux for 90% reflectance, f/1.6 (wide angle), 24 dB noise at 30 IRE (30% of signal level); Color (33 ms)=0.65 lux; Color (250 ms)=0.20 lux; Mono (33 ms)=0.015 lux | Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON | Sensitivity in lux for 90% reflectance, f/1.6 (wide-angle), 28 dB gain at 30 IRE (30% of signal level) with Sensitivity Boost OFF; 4X improvement to sensitivity with Sensitivity Boost ON |
| Wide Dynamic Range | 130 dB | 130 dB | 60 dB | 80 dB | 80 dB |
| Pan/Tilt Features | Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom | Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom | Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom | Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom | Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom |
| Window Blanking | Up to thirty two, four-sided, user-defined shapes. | Up to thirty two, four-sided, user-defined shapes. | Up to eight, user-defined shapes | Up to thirty two, four-sided, user-defined shapes | Up to thirty two, four-sided, user-defined shapes |
| Compression Formats | H.264 High, Main, or Base profiles and MJPEG | H.264 High, Main, or Base profiles and MJPEG | H.264 High, Main, or Base profiles and MJPEG | H.264 High, Main, or Base profiles and MJPEG | H.264 High, Main, or Base profiles and MJPEG |
| Video Resolutions / Frame Rate | CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 30 or 60fps @ 1080p | CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 30 or 60fps @ 1080p | 1920x1080, 1280x720, 1024x576, 900x540, 640x352, 320x180 / 30fps @ 1080p | CIF, VGA, SVGA, 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 25 or 30fps @ 1080p | 1920x1080, 1280x720, 800x448, 640x352, 480x272, 320x176 / 25 or 30fps @ 1080p |
| POE | PoE+ IEEE 802.3at Class 4, HPoE | PoE+ IEEE 802.3at Class 4, HPoE | PoE+ IEEE 802.3at Class 4, 48 V, 600 mA (indoor models) | IEEE 802.3af class 3 (standard models) | IEEE802.3af |
| Power | 18 to 32 Vac; 24 Vac nominal, 22 to 27 Vdc; 24 Vdc nominal, PoE+ IEEE 802.3at Class 4, HPoE | 18 to 32 Vac; 24 Vac nominal, 22 to 27 Vdc; 24 Vdc nominal, PoE+ IEEE 802.3at Class 4, HPoE | (Indoor) 24 Vac; 26 VA; PoE+ IEEE 802.3at Class 4, 48 V, 600 mA; (Environmental) 24 Vac; 50 VA | 18 to 32 Vac; 24 Vac nominal 22 to 27 Vdc; 24 Vdc nominal | 18 to 32 Vac; 24 Vac nominal 22 to 27 Vdc; 24 Vdc nominal |



* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Network Speciality Cameras

Pelco takes its industry-leading Esprit Series positioning system into the world of HD. Esprit HD delivers crystal-clear, live-streaming images over IP networks. Pelco's ExSite explosion-proof IP cameras are designed to meet the rigorous requirements for hazardous locations for safe and efficient installation.

| |  |
|-------------------------------|--|
| | 30x Esprit HD ES5230* (Standard & pressurized) |
| Imager | 1/2.8-inch Type Exmor CMOS Sensor |
| Lens / Zoom | f/1.6 ~ f/4.7, focal length 4.3 mm (wide) ~ 129.0 mm (tele) |
| Field Of View | 2.1° to 59.5° |
| Resolution | 1920 x 1080 |
| Sensitivity | 30 IRE; Color (33 ms) 0.65 lux; Color (250 ms) 0.07 lux; Mono (33 ms) 0.20 lux; Mono (250 ms) 0.015 lux |
| Proportional Pan/Tilt | Yes |
| Pan/Tilt Features | 360° continuous / Unobstructed +36° to -85° |
| Presets/preset speed/patterns | 100°/30°/sec/16 |
| Motion Detection | Yes |
| Window Blanking | 32, programmable |
| Image Stabilization | Yes, EIS |
| "Sure Focus" Menu Selection | Yes |
| Operating Temperature Range | -45° to 50°C (-50° to 122°F) |
| Environmental ratings | IP66 |
| Power | 24, 120, or 230 Vac, 50/60 Hz; switch selectable for 120/230 Vac inputs |
| Certifications | CE, Class A; FCC, Class A; UL/cUL listed; C-Tick; Meets NEMA Type 4X and IP66 Standards; ONVIF Profile S; Cisco® Mediant Media Services Proxy 2.0 compatible |
| Open connectivity | Pelco API or ONVIF S |

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

| |  |  |
|-----------------------------|---|---|
| | 36x ExSite IP EHXMEIP Explosion Proof Fixed | 36x ExSite IP IPSXME Explosion Proof Pan/Tilt |
| Imager | 1/4 Inch Ex-View HAD CCD | 1/4 Inch Ex-View HAD CCD |
| Lens / Zoom | f/1.4, 3.3 ~ 119 mm / 432x (36x Optical 12x Digital) | f/1.4, 3.3 ~ 119 mm / 432x (36x Optical 12x Digital) |
| Field Of View | 1.7° to 57.2° | 1.7° to 57.2° |
| Resolution | 540 TVL | 540 TVL |
| Sensitivity | 35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W) | 35 IRE: 0.018 lux at 1/2 sec shutter (color); 0.55 lux at 1/60 sec shutter (B-W); 0.00018 lux at 1/2 sec shutter (B-W) |
| Proportional Pan/Tilt | Yes | Yes |
| Pan/Tilt Features | 200° Pan (manual) / 180° Tilt (manual) | 360° continuous / Unobstructed +90° to -90° |
| Motion Detection | Yes | Yes |
| Image Stabilization | Yes | Yes |
| "Sure Focus" Menu Selection | Yes | Yes |
| Operating Temperature Range | -76 to 140 °F (-60 to 60 °C) | -76 to 140 °F (-60 to 60 °C) |
| Environmental ratings | IP66, NEMA type 4X | IP66, NEMA type 4X |
| Power | 24 Vac or 100 to 240 Vac, 50/60 Hz | 24 Vac or 100 to 240 Vac, 50/60 Hz |
| Certifications | UL/cUL Listed Class I, Groups A, B, C, and D Class II, Groups E, F, G, T5 Class I, Zone 1, AEx d IIC DEMKO 04 ATEX 0413858X CE 0539 Ex II 2 G Ex d IIC, T5 Gb Ex II 2 D Ex tb IIIC T105°C Db IP66 | UL/cUL Listed Class I, Groups A, B, C, and D Class II, Groups E, F, G, T5 Class I, Zone 1, AEx d IIC DEMKO 04 ATEX 0413858X CE 0539 Ex II 2 G Ex d IIC, T5 Gb Ex II 2 D Ex tb IIIC T105°C Db IP66 |

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Network Thermal Imaging Cameras

Sarix Series Thermal IP Cameras produce high-quality video regardless of lighting conditions and are able to detect activity in total darkness, through smoke, fog, rain and haze. These cameras provide situational awareness in perimeter, port/airport applications or where artificial light is either unavailable or restricted.

| Sarix TI Series Thermal IP Fixed Cameras | | | | | | | | | | | | | | | | |
|--|--|-------------|------------|-----------|-------------|-------------|--|----------|-------------|-------------|------------|----------|-------------|-------------|------------|----------|
| | SP-ESTI3* Series Fixed | | | | | | SP-ESTI3* Series Pan/Tilt | | | | | | | | | |
| Sensor | Uncooled, Sun-safe Amorphous Silicon Microbolometer | | | | | | Uncooled, Sun-safe Amorphous Silicon Microbolometer | | | | | | | | | |
| Pixel Size | 17 micron (640 x 480) 25 micron (384 x 288) (240x184) | | | | | | 17 micron (640 x 480) 25 micron (384 x 288) | | | | | | | | | |
| Sensitivity (NETD) | <50 mK at f/1.0 | | | | | | <50 mK at f/1.0 | | | | | | | | | |
| Lens Options | 640 x 480 | | | 384 x 288 | | | 240 x 184 | | | 640 x 480 | | | 384 x 288 | | | |
| Field Of View | 39°/29°/48° | 16°/12°/19° | 11°/8°/14° | 6°/4°/7° | 39°/29°/48° | 16°/12°/19° | 11°/8°/14° | 6°/4°/7° | 55°/41°/68° | 18°/13°/22° | 12°/9°/15° | 6°/5°/8° | 39°/29°/48° | 16°/12°/19° | 11°/8°/14° | 6°/4°/7° |
| Spectral Response | 7.5 to 13.5 µm (LWIR) | | | | | | 7.5 to 13.5 µm (LWIR) | | | | | | | | | |
| Display Formats | White hot, black hot, and rainbow | | | | | | White hot, black hot, and rainbow | | | | | | | | | |
| Built in Analytics | Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle | | | | | | Adaptive motion, camera sabotage, loitering detection, object counting, stopped vehicle | | | | | | | | | |
| Compression Formats | H.264 High, Main or Base Profile, M-JPEG | | | | | | H.264 High, Main or Base Profile, M-JPEG | | | | | | | | | |
| Video Streams | Up to 2 simultaneous streams | | | | | | Up to 2 simultaneous streams | | | | | | | | | |
| Video Resolutions / Frame Rate | 384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips | | | | | | 384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips | | | | | | | | | |
| Local Storage | Micro SD | | | | | | Micro SD | | | | | | | | | |
| USB Expansion Ports | No | | | | | | No | | | | | | | | | |
| Analog Output | Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p | | | | | | Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p | | | | | | | | | |
| Power | 24 Vac / 24 Vdc | | | | | | 24 Vac / 115 Vac / 230 Vac | | | | | | | | | |

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

| Sarix TI Series Thermal IP Fixed Cameras | | | | | | |
|--|--|-------------|------------|--|-------------|------------|
| | SP-ESTM3* Series Fixed | | | SP-ESTM3* Series Pan/Tilt | | |
| Sensor | Uncooled, Sun-safe Amorphous Silicon Microbolometer | | | Uncooled, Sun-safe Amorphous Silicon Microbolometer | | |
| Pixel Size | 25 micron | | | 25 micron | | |
| Sensitivity (NETD) | <50 mK at f/1.0 | | | <50 mK at f/1.0 | | |
| Lens Options | 14.25mm | 35mm | 50mm | 14.25mm | 35mm | 50mm |
| Field Of View | 39°/29°/48° | 16°/12°/19° | 11°/8°/14° | 39°/29°/48° | 16°/12°/19° | 11°/8°/14° |
| Spectral Response | 8 to 12 µm (LWIR) | | | 8 to 12 µm (LWIR) | | |
| Display Formats | White hot, black hot, and rainbow | | | White hot, black hot, and rainbow | | |
| Built in Analytics | Camera Sabotage, Thermography - Absolute Threshold, Thermography - Relative Threshold, Thermography - Self Reference Threshold | | | Camera Sabotage, Thermography - Absolute Threshold, Thermography - Relative Threshold, Thermography - Self Reference Threshold | | |
| Compression Formats | H.264 High, Main, or Base profiles; MJPEG, and JPEG | | | H.264 High, Main, or Base profiles; MJPEG, and JPEG | | |
| Video Streams | Up to 2 simultaneous streams | | | Up to 2 simultaneous streams | | |
| Video Resolutions / Frame Rate | 384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips | | | 384x288, (4:3) 320x240 (4:3) or 320x176 (16:9) / Up to 30, 25, 24, 15, 12.5, 12, 10, 8, 7.5, 6, 5, 4, 3, 2.5, 2, 1 ips | | |
| Local Storage | Micro SD | | | Micro SD | | |
| USB Expansion Ports | No | | | No | | |
| Analog Output | Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p | | | Yes, BNC, 75 ohms, unbalanced, NTSC or PAL 1Vp-p | | |
| Power | 24 Vac / 24 Vdc | | | 24 Vac or a selectable power source of 120/230 Vac | | |

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.

Fortified Camera Systems

Pelco Fortified Integrated Camera Systems deliver a new level of protection from heat, cold, humidity and challenging power environments.

| Fortified enclosures systems | | | | |
|------------------------------|---|---|---|---|
| | FH-Hx* Series High Temperature | FH-Lx* Series Low Temperature | FH-Mx* Series High Humidity | FH-Sx* Series Solar Powered |
| Dimension | Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56") | Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56") | Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56") | Analog or IP camera and lens included 39.12 H x 64.11 L x 19.21 W cm (15.4" x 25.24" x 7.56") |
| Viewing Window | 6.35 mm-thick Lexan | 6.35 mm-thick Lexan | 6.35 mm-thick Lexan | 6.35 mm-thick Lexan |
| Cable Entry | Mount arm, field installed | Mount arm, field installed | Mount arm, field installed | Mount arm, field installed |
| Environment | IP66 | IP66 | IP66 | IP66 |
| Vandal | IK10 | IK10 | IK10 | IK10 |
| Power Input | 100 - 240 Vac | 24 Vac | 24 Vac | 12 Vdc |
| Heater/Defroster/Blower | No/No/Yes | Yes/No/Yes | No/No/Yes | No/Yes/Yes |
| Hinged Lid | Yes | Yes | Yes | Yes |
| Certifications | CE/UL/cUL | CE/UL/cUL | CE/UL/cUL | CE/UL/cUL |
| Fiber Optic Media Converter | Optional (not for C20 camera) | Optional (not for C20 camera) | Optional (not for C20 camera) | Optional (not for C20 camera) |

* Visit B.O.S.S. 5.0 at pelco.com for complete part numbers.



Fortified Series Overview

- Fully integrated enclosures with camera, lens, and available power supplies
- Non-metallic long life, thermoplastic alloy will not corrode, rust, or oxidize
- Impact resistant at all temperatures, for protection from acts of vandalism including rock and object impact
- Integrated wall-mount and full line of optional mounting brackets for virtually any mounting scenario
- Ample internal space for IP media conversion and additional accessories
- Active cooling system
- Choose from 12 Vdc, 24 Vac, or 100 Vac to 230 Vac input
- CE, UL, cUL, IK10, IP66

The Experience is the Difference



Plug into the flexibility of VideoXpert™

Historically video management systems by nature are complex – a complexity that often overwhelms the user experience, resulting in a steep learning curve and misplaced focus.

VideoXpert™ is different.

Its intuitive design and easy-to-navigate workflow effortlessly display what's needed, when it's needed, allowing security professionals to make fast, effective decisions that drive your business forward.

Coupled with its powerful integration capabilities, VideoXpert leverages the expertise of third party providers for customizable functionality and maximum flexibility. Experience the ease of use, reliability and performance you demand.

Learn How » Pelco.com/VideoXpert

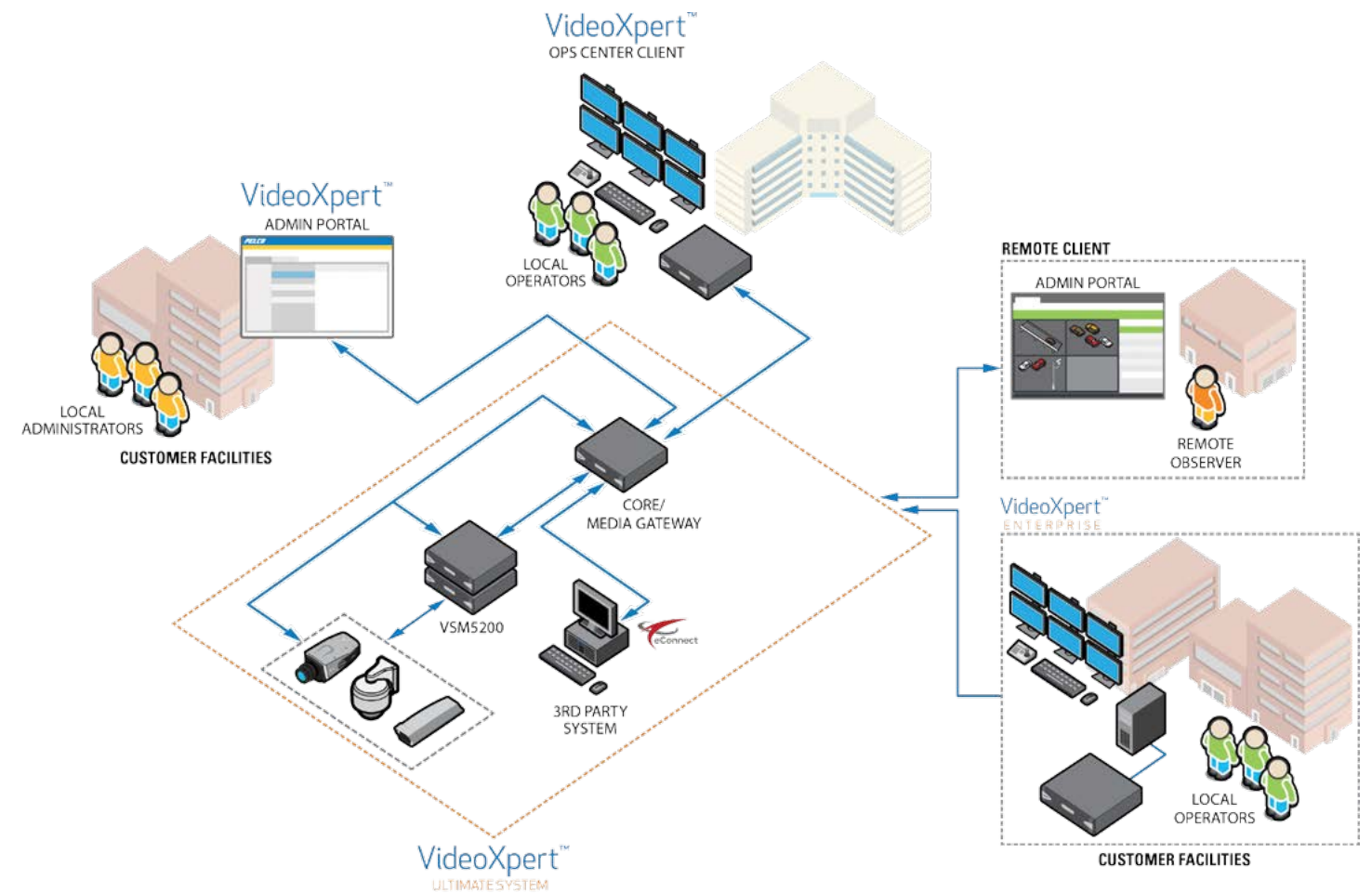
Choose with Confidence.



IP Video Management Solutions

Enterprise Class Solutions: VideoXpert™

VideoXpert is a VMS platform that allows for system aggregation into a single intuitive user interface experience. The highly customizable software-based VMS solution brings together video security and third-party systems that benefit from actionable video data, into a single, reliable, high-performance platform. Visit www.pelco.com/videoexpert to learn more.



REPLACE THIS IMAGE WITH AN IMAGE OF VXS BOX

VideoXpert

VideoXpert is a VMS designed for scalability, fitting the needs of surveillance operations of any kind. Whether your operation has 100 cameras or 10,000 cameras, VideoXpert presents a solution to display, record, and manage your video resources. VideoXpert consists of four major components: Core, Media Gateway, Ops Center, and storage manager.



Core / Media Gateway

The heart of VideoXpert, the Core maintains the database of cameras and recording devices, and provides a convenient Web interface from which you can configure and manage the system. Simultaneously, the Media Gateway routes video traffic to appropriate users as requested. Like Core servers, Media Gateways can be added to VideoXpert allowing you to scale your system as your installation grows.



Ops Center

The Ops Center supports up to six, uniquely configurable monitors, each capable of displaying up to 16 video streams simultaneously.




Storage

With VSM storage, you can create pools of up to six storage servers with failover and redundant recording services. Compatible with Endura systems, VSM provides a migration path from Endura to VideoXpert. VideoXpert Storage (VXS) is a RAID 6, high-availability recording platform that captures, stores, and serves recorded video for your VideoXpert system. The platform is designed to maximize uptime and ensure that you never lose access to your mission-critical video data.

IP Video Management Solutions

Enterprise Class Solutions: Endura




The Endura IP VMS offers the scalability, performance, and reliability required for mission-critical surveillance applications. Scalable to thousands of cameras, Endura is designed to fit a wide range of customer applications — including airports, casinos, and city surveillance applications — where unmatched fault tolerance and system integrity are mandatory.

| Endura | |
|---|--|
|  | |
| Analog Camera Inputs | Yes, for supported cameras and encoders * |
| Compression Technology | MPEG4 & H.264 (base, main, and high profile) |
| Storage Optimization | Yes, Pelco EnduraStor |
| Third-Party Storage | Optional fiber channel support |
| Raid 6 Support | Yes |
| Alarm Inputs/Relay Outputs | Yes, see Pelco.com for supported cameras & encoders |
| Audio Support | Yes, see Pelco.com for supported cameras & encoders |
| Ptz Control | Yes, see Pelco.com for supported cameras & encoders |
| Pelco Matrix Support | Yes |
| Multilingual Support | Yes |
| Third-Party System Integration | Yes |
| Pelco Aggregation Support | Yes |
| Monitor Output Support | Hundreds of digital displays via DVI connections from WS5070, VCD5202, NET5402R-HD with built-in monitor wall control (1x1, 2x2, 3x3, 4x4, 1+5, 2+8, 1+12, 3x2, 4x3) |
| Digital Zoom Live/Playback | Yes |
| Alarm, Motion, Continuous, Scheduled Recording Modes | Yes |
| Failover And Redundancy | Yes |
| Pre-alarm/Post-alarm | 1 minute – 999 minutes/1 minute – 999 minutes |
| Video Analytics | Yes |
| E-mail on Alarm, SNMP Support | Yes |
| Remote Administration | Yes |
| Web and Mobile Support | Yes |

* Please visit www.pelco.com for updated list of supported devices.

Network Video Encoders


This family of H.264 network video encoders provides high-performance, single- to multichannel video encoding, integrating analog cameras, and positioning systems into an IP video surveillance system.

| NET5500 Series Encoder | | | |
|-----------------------------|--|--|--|
| |  NET5501, NET5504, NET5508, NET5516 Rack Mount |  NET5501-I In-line |  NET5501-XT Extended Temperature |
| Video Resolutions | D1, 4CIF, 2CIF, CIF | D1, 4CIF, 2CIF, CIF | D1, 4CIF, 2CIF, CIF |
| Frame Rate | Up to 30/25 IPS at D1 | Up to 30/25 IPS at D1 | Up to 30/25 IPS at D1 |
| Video Analytics | Motion and sabotage | Motion and sabotage | Motion and sabotage |
| Alarm Inputs | 1, 4, 8, 16 (respectively) | 0 | 1 |
| Relay Outputs | 1, 1, 2, 4 (respectively) | 1 | 1 |
| Onboard Memory | User-supplied micro SD | User-supplied micro SD | User-supplied micro SD |
| Operating Temperature Range | 0 to 50 °C (32 to 122 °F) | 0 to 45 °C (32 to 113 °F) | -20 to 74 °C (-4 to 165 °F) |
| Compression Formats | M-JPEG, H.264 | M-JPEG, H.264 | M-JPEG, H.264 |
| Data Rate | 20 Kbps – 6 Mbps (2 Mbps per stream X 3) | 20 Kbps – 6 Mbps (2 Mbps per stream X 3) | 20 Kbps – 6 Mbps (2 Mbps per stream X 3) |
| Video Streams | 3 | 3 | 3 |
| Audio | 2-way, full- or half-duplex | 2-way, full- or half-duplex | 2-way, full- or half-duplex |
| Analog Output | Looping available on 1, 4, 8 models | Looping not available | Looping available |
| Network Protocols | TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP, IPv4, SNMP v2c/v3, QoS, HTTP, HTTPS, SSH, SSL, SMTP, and 802.1x (EAP) | | |
| Encryption | Yes | Yes | Yes |
| Latency | 117 ms - MPEG-4 | 117 ms - MPEG-4 | 117 ms - MPEG-4 |
| Power Input | 12 Vdc, 1.25A adapter (1 & 4 channel); 12 Vdc, 2.08 A adapter (8 & 16 channel) | PoE 802.3af, Class 0 | 12 Vdc, 2.08 A adapter |
| Web Browser Access | Microsoft® Internet Explorer® 8 or later, Firefox®, Chrome™, Safari™ | | |
| Open Architecture | Yes, ONVIF Profile S | Yes, ONVIF Profile S | Yes, ONVIF Profile S |
| Pelco System Compatibility | Digital Sentry 7.3 (or later); Endura 2.0 (or later); third-party VMS through Pelco API and ONVIF Profile S | | |

IP Video Management Solutions

Solutions for Mainstream Applications: Digital Sentry

With full-featured DSNVs VMSs, DSSRV2 network video recorders (NVRs) provide analog camera support via optional direct-attached or network video encoders, multisite monitoring, and support for third-party IP cameras. DSSRV2 NVRs provide an optimal combination of processing power and reliability to meet the demands of HD video recording and playback operations.

| Digital Sentry DSSRV2 | |
|---|---|
|  | |
| Analog Camera Inputs | 16, 32, 48, or 64 via ENC5516 |
| IP Video Inputs | Up to 128* |
| Number Of Included IP Licenses | 8 included; additional license fee may apply |
| Megapixel Support | Up to 10 Mpx |
| Compression Technology | H.264, MJPEG and MPEG-4, depending on IP camera |
| Operating System | Windows 7 Ultimate 64-bit |
| Hard Drive Options, Internal | GB; 4, 8, 12, 16, 20 TB |
| Hard Drive Options, External | SCSI or USB |
| Optical Disk Drive | DVD+/-RW with DSSRV2-DVD models |
| Raid Storage | Optional with RAID5 controller add-on or RAID5 model |
| Alarm Inputs/Relay Outputs | See ENC5516 for analog alarms in/relays out |
| Audio Inputs/Outputs | Supports Sarix IP audio; see ENC5516 for analog audio recording |
| PTZ Control | IP and analog supported |
| Multilingual Support | Yes |
| System Compatibility | DS ControlPoint |
| Monitor Outputs | Supports up to 3 simultaneous displays using any combination of the 4 outputs |
| Camera Views | 22 layouts, from 1 to 36 cameras |
| Alarm, Motion, Continuous, Scheduled Recording Modes | Yes |
| PC Remote Client | Yes |
| View Live | Yes |
| Playback | Yes |
| Email On Alarm | Yes |
| PTZ Control | Yes |
| Remote Administration | Yes |
| Mobile Client | Yes |


* The database limitation for DSNVs is 128 cameras. The actual number of cameras supported depends on recording settings, client connections, and bandwidth capacity.

| Digital Sentry DSSRV2 Options | |
|--|---|
|  ENC5516 Analog Encoder | |
| Video Resolutions | D1, 2CIF, CIF |
| Frame Rate | D1 480 NTSC/ 576 PAL, independently configurable |
| Alarm Inputs | 16 per ENC5516, 64 maximum per DSSRV2 |
| Relay Outputs | 4 per ENC5516, 16 maximum per DSSRV2 |
| Audio Inputs | 16 per ENC5516, 64 maximum per DSSRV2 |
| Compression Format | H.264 main profile |
| Analog Output | 2 BNC connectors (1 for MUX and 1 for spot monitor) |
| PTZ Control Interface | 2 RS-422, RS-485 |
| PTZ/Protocols | Pelco P, Pelco C, and Pelco D |
| Rack Mount | 2 mounting brackets included, connection interface to NVR: direct attached via HDMI cable |



Software-only VMS Solution

This software-only solution is ideal when the preference is for COTS hardware, maximizing existing purchase and support agreements with server and PC suppliers. Windows-compatible, built-in support for ONVIF and a wide range of third-party IP cameras and encoders makes Digital Sentry a flexible VMS solution for mainstream security applications.



| DSNVs | |
|---|---|
|  | |
| Maximum IP Video Inputs | Up to 128* |
| Third-party Camera Supported | IP drivers and ONVIF** |
| Camera License Fees Apply | Includes 4 IP licenses for Pelco or third-party IP cameras/encoders; Additional license fee applies |
| Megapixel Support | Up to 10 megapixel, based on camera capabilities |
| Maximum # of Clients | Dependent on system resources and bandwidth availability |
| Quick Setup | Yes, wizard-driven |
| Export Formats | H.264, MPEG-4, MPEG |
| Alarm Pop-up Notifications | Yes |
| Search Tools | Thumbnail, timeline, and scrub bar search methods |
| Archive Video Recording | Via archive utility |
| Third-Party Integrations | ONVIF conformant |
| Compatibility via Controlpoint | DX8000/8100, DX4500/4600/4700/4800 and DX4700/4800HD |
| Operating Systems | Windows XP Professional SP2, Windows Vista (32 or 64 bit), Windows 7 (32 or 64 bit) |
| Mobile App | Yes |

* Supports up to 128 video channels per server (dependent on hardware configuration and IP camera settings)

** DS release notes on Pelco.com






Monitors

With a unique industry understanding, Pelco specifically designs monitors to meet the demands of video-security professionals. This includes maximum reliability and power efficiency for around-the-clock usage, and the high-quality, highly detailed images necessary for making security decisions.

| | 500 Series Desktop | 500 Series Large Format |
|---------------------------|---|---|
| |  |  |
| | PMCL524BL | PMCL532BL, PMCL42BL, and PMCL55BL |
| Native Resolution | 1920 x 1080 | 1920 x 1080 |
| Brightness | 250 nit | 500 nit (typical) |
| Contrast Ratio | 1000:1 | 3000:1 (32"), 4000:1 (42", 55") |
| Response Time | 5 ms | 6.5 ms (typical) |
| Panel Life | 30K hours | 50K hours |
| Viewing Angle | 170/160 | 178/178 |
| Aspect Ratio | 16:9 | 16:9 |
| Power Consumption | <33 W | 120 W (32"), 150 W (42"), <170 W (55") |
| Input Voltage | 100 to 240 Vac, 50/60 Hz | 100 to 240 Vac, 50/60 Hz |
| Video Input | 1 BNC, looping; 1 S-video, looping; 1 RGB; 1 DVI; 1 HDMI | 1 S-video; 1 component video; 1 video in, 1 video out; 1 display port*; 1 HDMI; 1 DVI in; 1 VGA out, 1 VGA in (*not available on PMCL532BL) |
| Operating Temperature | 32 – 104 °F (0 – 40 °C) | 32 – 104 °F (0 – 40 °C) |
| Operating Humidity | 10 – 90% noncondensing | 10 – 90% noncondensing |
| Unit Weight | 15.9 lbs. | 27.6 lbs. (32"), 44.1 lbs. (42"), 66.6 lbs. (56") |
| Shipping Weight | 24.0 lbs | 35.7 lbs. (32"), 62.0 lbs. (42"), 87.3 lbs. (56") |
| RECOMMENDED MOUNTS | | |
| Wall Mount | PMCL-WM, PMCL-WMT, PMCL-WM1A | PMCLNBWMT (tilt), PMCLNBWMF (fixed), PMCLNBWMS (arm) |
| Ceiling Mount | PMCL-CM, PMCL-CMP | PMCL-CM, PMCL-CMP (32" only) |
| Rack Mount | N/A | N/A |
| Certifications | CE Class B; FCC Class B; UL/cUL Listed; C-Tick; KCC; CCC; GOST-R; NOM | CE class B; FCC Class B; UL/cUL listed; C-Tick; CCC; GOST-R; NOM, ENERGY STAR Level 5.1 compliant |
| Warranty | 3 years | 3 years |

Accessories: Enclosures





With convenient IP-centric-available features, such as built-in PoE camera power and megapixel-optimized front windows, these new additions to the Pelco enclosure family will help protect camera investments today and well into the future.

| | General Purpose Enclosures | | | | |
|-------------------------------|---|---|--|---|--|
| |  |  |  |  |  |
| | EH14 Indoor/Outdoor, Compact | EH4700 Outdoor, Medium | EH5700 Outdoor, Large | EH8100 Pressurized | EHX'E Explosion-proof |
| Maximum Camera Size* | 27.94 L x 8.25 W x 10.16 H cm (11.00" x 3.25" x 4.00") | 33.02 L (up to 53.34 L cm) x 12.07 W x 10.795 H cm [13" (up to 21") x 5.5" x 4.25"] | 39.37 L (up to 71.12 L cm) x 15.88 W x 13.97 H cm [15.5" (up to 28") x 6.25" x 5.5"] | 35.56 L (up to 45.72 L cm) x 6.35 W x 6.35 H cm [14" (up to 18") x 2.5" x 2.5"] | 6.990 H to 14.6 x 8.57 to 13.20 W x 7.62 to 60.96 H cm (2.750 to 5.75 cm x 3.375 to 5.125 x 12 to 24 cm) |
| Viewing Window | Glass | 6.35-mm-thick Lexan | 6.35-mm-thick glass | 5.715-mm-thick tempered glass | Fully tempered plate glass 10.8/11.43/14.92 cm, depending on model |
| Cable Entry | 2 adjustable 0.5 in NPT liquid-tight gland | Two PG13.5 compression glands on bottom | Two PG13.5 UL glands on bottom | 16-pin receptacle with jam nut connects to MS connector | 2 explosion-proof sealable fittings |
| Lid Fastening | 2 Torx screw | Link-lock no. 3 stainless steel can be secured with a padlock (not supplied) | Link-lock no. 3 stainless steel can be secured with a padlock (not supplied) | Sealed and pressurized | Sealed |
| Environment | IP66 and NEMA Type 4 | NEMA Type 3R | NEMA Type 3R | IP67 and NEMA Type 6 | Explosion-proof and marine |
| Power Input | 24 Vac, 230 Vac | 24 Vac; 120 Vac and 230 Vac @ 50/60 Hz | 24 Vac; 120 Vac and 230 Vac @ 50/60 Hz | 120/230 Vac | 24 Vac; 120 Vac and 230 Vac |
| Heater/Defroster/Blower/Wiper | Yes/Yes/Yes (EH14-2, -3 only) | Yes/Yes/Yes/No | Yes/Yes/Yes/Yes | Yes/Yes/Yes/No | Yes/Yes/Yes/No |
| Certifications | CE | CE/UL/C-Tick | CE/UL/C-Tick | CE/UL/cUL | CE/UL/cUL |




* Accepts camera and lens combinations (assumes lens is fully extended)

Accessories: Enclosures

With convenient IP-centric-available features, such as built-in PoE camera power and megapixel-optimized front windows, these new additions to the Pelco enclosure family will help protect camera investments today and well into the future.






| | Environmental Enclosures | | | |
|-------------------------|---|--|---|--|
| |  |  |  |  |
| | EH16 | EH2500 | EH3508 | EH3512/EH3515 |
| Maximum Camera Size* | 22.86 L x 7.92 W x 7.62 H cm (9" x 3.12" x 3") | 13.34 L (up to 33.66 L cm) x 6.99 W x 6.99 H cm [5.25" (up to 13.25") x 2.75" x 2.75"] | 12.7 L (up to 17.27 L cm) x 7.28 W x 7.62 H cm [5" (up to 6.8") x 2.87" x 3"] | 22.86 L (up to 33.66 L cm) x 7.28 W x 7.62 H cm [10.25" (up to 13.25") x 2.87" x 3"] |
| Viewing Window | 3-mm-thick, scratch-resistant Lexan® | 0.95-mm-thick Lexan | 4.7-mm-thick Lexan | 4.76-mm-thick Lexan |
| Cable Entry | 1 x PG9 and 1 PG11 compression gland on bottom | Two adjustable 1/2-NPT liquid tight glands on back | Two PG13.5 compression glands on bottom | Two PG13.5 compression glands on bottom |
| Lid Fastening | 3 Torx-head T30 screws | Two captive screws | Link-lock no. 3 can be secured with a padlock (not supplied) | Link-lock no. 3 stainless steel can be secured with a padlock (not supplied) |
| Environment | IP66 and NEMA Type 4X | IP66 and NEMA Type 4 | IP66 and NEMA Type 4 | IP66 and NEMA Type 4 |
| Power Input | Power input 24 Vac, POE IEEE802.3at, 230 Vac | 24 Vac; 120 Vac and 230 Vac for heater | 24 Vac; 120 Vac and 230 Vac @ 50/60 Hz | 24 Vac; 120 Vac and 230 Vac |
| Heater/Defroster/Blower | Yes/Yes/Yes | Yes/Yes/Yes | Yes/Yes/Yes | Yes/Yes/Yes |
| Certifications | CE/UL/cUL | CE/UL/cUL | CE/UL/cUL | CE/UL/cUL |

* Accepts camera and lens combinations (assumes lens is fully extended)

| | High-Security Enclosures | | |
|-------------------------|---|---|---|
| |  |  |  |
| | HS1500 Ceiling/Wall Mount | HS2100 Low-profile Wedge | HS3000 Corner Mount |
| Maximum Camera Size* | 10.16 L x 10.16 W x 20.32 W cm (4.0" x 4.0" x 8.0") | 7.62 L x 10.16 W x 25.4 W cm (3.0" x 4.0" x 10.0") | 9.53 L x 8.25 W x 22.86 W cm (3.75" x 3.25" x 9.0") |
| Viewing Window | 12.7-mm-thick Lexan | 12.7-mm-thick Lexan | Smoked 6.35-mm-thick Lexan |
| Cable Entry | Access through back and top | Two conduit knockouts on upper back box | Three 1.27cm cable knockout holes |
| Environment | Indoor NEMA Type 1 | Indoor NEMA Type 1 | Indoor |
| Power Input | NA | NA | 24 Vac/110 Vac for heater |
| Vandal | Tamper switch/vandal resistant | Tamper-resistant screw | Tamper switch/vandal resistant |
| Heater/Defroster/Blower | Yes/No/Yes | No/No/No | Yes/No/No |
| Certifications | UL | NA | UL |

Accessories: PoE Midspan

Powering the next generation IP security networks requires standardized power sources designed to protect sensitive edge devices and cameras. These PoE midspans are engineered to provide the highest level of protection with standardized IEEE power sources and network management tools to manage IP assets remotely.

| | PoE Midspan | | | | |
|--------------------------|---|---|---|---|---|
| |  |  |  |  |  |
| | 1 Single Channel | 4 Channel | 8 Channel | 16 Channel | 1 Single Channel |
| Number of Channels | 1 | 4 | 8 | 16 | 1 |
| Data Rate | 10/100/1000 Base T | 10/100/1000 Base T | 10/100/1000 Base T | 10/100/1000 Base T | 10/100/1000 Base T |
| Maximum Power Output | 30 W | 134 W | 269 W | 538 W | 19 W |
| Power Input | AC 90 to 264 Vac with frequency range 47 to 63 Hz | AC 90 to 264 Vac with frequency range 47 to 63 Hz | AC 90 to 264 Vac with frequency range 47 to 63 Hz | AC 90 to 264 Vac with frequency range 47 to 63 Hz | 33.4 W |
| Operating Temperature | 32 – 104 °F (0 – 40 °C) | 32 – 104 °F (0 – 40 °C) | 32 – 104 °F (0 – 40 °C) | 32 – 104 °F (0 – 40 °C) | 32 – 131 °F (0 – 55 °C) @ 10 MB and 100 MB rates; 32 – 104 °F (0 – 40 °C) @ GB rates |
| Led Indicators | Power on/fault detection | Power on/fault detection | Power on/fault detection | Power on/fault detection | Power on/fault detection |
| IEEE 802.3 at Compliance | Fully compliant detection, disconnect, overvoltage and current protection | | | | |
| Power Connector | U.S. power cord or EU power cord | | | | |
| Mounting | Desktop | Desktop with optional rack mount | Rack mount | Rack mount | Desktop and ears for wallmounting |
| Network Management | NA | Web interface and SNMP management | Web interface and SNMP management | Web interface and SNMP management | NA |
| Certifications | UL/cUL/CE/ FCC | UL/cUL/CE/ FCC | UL/cUL/CE/ FCC | UL/cUL/CE/ FCC | CE |




Accessories: IR Illuminators

For low-light scenes, proper illumination makes the difference between usable and unusable video. For increased megapixel camera performance in low-light situations, and for lower energy consumption and reduced bandwidth-consuming night scene video noise, choose from a wide range of Pelco IR and White Light low-voltage illumination systems.

| | Semi-covert and Covert IR Illuminator | | | White Light LED IR Illuminator | | |
|----------------------|---|---|---|--|---|---|
| |  |  |  |  |  |  |
| | IR850S-65/IR940S-30 Small | IR850M-120/IR940M-60 Medium | IR850L-220/IR940L-110 Large | WLEDS-50 Small | WLEDM-90 Medium | WLEDL-150 Large |
| Max Range | 65/30 M | 120/60 M | 220/110 M | 50 M | 90 M | 150 M |
| Variable Focal Lenth | 10 to 120° using interchangeable defuser | 10 to 120° using interchangeable defuser | 10 to 120° using interchangeable defuser | 10 to 120° using interchangeable defuser | 10 to 120° using interchangeable defuser | 10 to 120° using interchangeable defuser |
| Wavelength | 850/940 nm | 850/940 nm | 850/940 nm | White light | White light | White light |
| Input Power | 12 W | 24 W | 48 W | 12 W | 24 W | 48 W |
| Input Voltage | 12 Vdc; 24 Vac | 12 Vdc; 24 Vac | 12 Vdc; 24 Vac | 12 Vdc; 24 Vac | 12 Vdc; 24 Vac | 12 Vdc; 24 Vac |
| Vandal Resistance | IK9 | IK9 | IK9 | IK9 | IK9 | IK9 |
| Warranty | 5 years | 5 years | 5 years | 5 years | 5 years | 5 years |
| Environment | IP66 | IP66 | IP66 | IP66 | IP66 | IP66 |
| Accessories | Remote setup tool/wall bracket | Remote setup tool/wall bracket | Remote setup tool/wall bracket | Remote setup tool/wall bracket | Remote setup tool/wall bracket | Remote setup tool/wall bracket |
| Certifications | CE/UL/cUL/FCC | CE/UL/cUL/FCC | CE/UL/cUL/FCC | CE/UL/cUL/FCC | CE/UL/cUL/FCC | CE/UL/cUL/FCC |

IP Video Transmission Solutions



Pelco IP fiber optic and Ethernet network products deliver the high-level performance that video security applications demand. By offering very reliable, robust transmission systems, any long-distance transmission challenge can be easily overcome.

| | Ethernet Media Converters | Ethernet Media Converters (requiring FSFP module) | |
|-------------------------------|---|---|---|
| |  |  |  |
| | FMCI-AF & FMCI-BF Series** | FMCI-PF Series | FMCI-PG Series |
| Number of TX Electrical Ports | 1 | 1 (mini); up to 2 (standard) | 1 (mini); up to 2 (standard) |
| TX Data Rate | 10/100 Mbps | 10/100 Mbps, Ethernet | 10/100/1000 Mbps, Ethernet |
| Operating Mode | Full-duplex or half-duplex | Full-duplex or half-duplex | Full-duplex or half-duplex |
| Number of FX Optical Ports | Up to 2 | 1 (mini); up to 2 (standard) | 1 (mini); up to 2 (standard) |
| FX Data Rate | 100 Mbps | 100 Mbps | 1000 Mbps |
| Operating Mode | Full-duplex | Full-duplex | Full-duplex |
| Operating Temperature | -40 to 167 °F (-40 to 75 °C) | -40 to 167 °F (-40 to 75 °C) | -40 to 167 °F (-40 to 75 °C) |
| Power Input | (Standard size) 8 to 24 Vdc at 220 mA (from rack); (mini) AC/DC 22 to 27 Vac at 100 mA or 8 to 24 Vdc at 220 mA | 8 to 15 Vdc | 8 to 15 Vdc |
| LED Indicators | Optical link, data; electrical link, data; power | Optical link, data activity | Optical link, data activity |
| Wavelength | 1310/1550 nm | FSFP dependent* | FSFP dependent* |
| Number of Fibers | 1 | FSFP dependent* | FSFP dependent* |
| Optical Power Budget (MM/SM) | 10/15 dB | FSFP dependent* | FSFP dependent* |
| Fiber Support Distances | Up to 3 km (2 mi) multimode; up to 20 km (12 mi) singlemode | Up to 80 km (49.7 mi)* | Up to 120 km (74.5 mi)* |
| Stand-alone/Rack Mountable | Yes | Yes | Yes |
| Number of Rack Slots | 1 (standard size); N/A (mini) | 1 (FMCI-PF1 and PMCI-PF2 models only) | 1 (FMCI-PG1 and PMCI-PG2 models only) |
| Optical Connector | ST, 1 fiber | FSFP dependent* | FSFP dependent* |
| Power Connector | Terminal block | Terminal block | Terminal block |
| Electrical Connector | RJ-45 | RJ-45 | RJ-45 |
| Certifications | CE, Class A; FCC, class A; UL/cUL listed; C-Tick; RoHS; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards | CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards | CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards |



* Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector.
** Standard mount DC-only & mini AC/DC power media converters

IP Video Transmission Solutions

Systems make use of customer-installed, interchangeable Small Form Factor Pluggable transceivers (FSFP units, sold separately) for compatibility with a wide range of optical fibers, optical connector types, and optical transmission distances.

| | Unmanaged Ethernet Switches (Requiring FSFP Module) | |
|-------------------------------|---|---|
| |  |  |
| | FUMS-F Series | FUMS-G Series |
| Number of TX Electrical Ports | Up to 8 | Up to 8 |
| TX Data Rate | 10/100 Mbps | 10/100/1000 Mbps |
| Operating Mode | Full-duplex or half-duplex | Full-duplex or half-duplex |
| Number of FX Optical Ports | Up to 8 | Up to 8 |
| FX Data Rate | 100 Mbps | 1000 Mbps |
| Operating Mode | Full-duplex | Full-duplex |
| Operating Temperature | -40 to 167 °F (-40 to 75 °C) | -40 to 167 °F (-40 to 75 °C) |
| Power Input | 9 to 24 Vdc | 9 to 24 Vdc |
| LED Indicators | Optical link, data; electrical link, data; power | Optical link, data; electrical link, data; power |
| Wavelength | FSFP dependent* | FSFP dependent* |
| Number Of Fibers | FSFP dependent* | FSFP dependent* |
| Fiber Support Distances | FSFP dependent* | FSFP dependent* |
| Stand-alone/Rack Mountable | Yes | Yes |
| Number of Rack Slots | Up to 2 | Up to 2 |
| Optical Connector | FSFP dependent* | FSFP dependent* |
| Power Connector | Terminal block | Terminal block |
| Electrical Connector | RJ-45 | FSFP dependent* |
| Certifications | CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards | CE, Class E; FCC, Part 15; UL listed; C-Tick; IEEE 802.3; designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards |

* Requires selection of interchangeable FSFP modules (must be ordered separately) for specific fiber type, distance, and connector.

| | Small Form Factor Pluggable** | |
|----------------------------|--|--|
| |  |  |
| | FSFP-E Series | FSFP-A & FSFP-B Series |
| Operating Mode | Fiber or copper | Fiber |
| Number of FX Optical Ports | 2 | 1 |
| Operating Mode | Multimode, single mode | Multimode, single mode |
| Operating Temperature | -40 to 167 °F (-40 to 75 °C) | -40 to 167 °F (-40 to 75 °C) |
| Power Input | MSA compliant | MSA compliant |
| Led Indicators | None | None |
| Wavelength | Up to 1550 nm | 1310/1550 nm (FSFP-A only), 1550/1310 nm (FSFP-B only) |
| Number of Fibers | 2, N/A for copper | 1 |
| Fiber Support Distances | Up to 120 km (74.5 mi) single mode, up to 2 km (1.2 mi) multimode | Up to 60 km (37.3 mi) single mode, up to 2 km (1.2 mi) multimode |
| Stand-alone/Rack Mountable | N/A | N/A |
| Number of Rack Slots | N/A | N/A |
| Optical Connector | LC | LC, SC |
| Optical Loss Budget | FSFP dependent* | FSFP dependent* |
| Power Connector | N/A | N/A |
| Electrical Connector | RJ-45 (copper only) | N/A |
| Certifications | CE, Class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11 | CE, Class E; FCC, Part 15; UL listed; IEEE 802.3; complies with 21 CFP 1040.10 and 1040.11 |

* Requires selection of FSFP modules for specific fiber type, distance, optical loss budget, and connector.
** Required for use with all Pelco FSFP configurable products.

End-to-End Video Security

Pelco produces the industry's broadest and most respected offering of IP and analog video security systems. From megapixel and integrated positioning systems to video management and software-only solutions, Pelco is committed to providing complete, end-to-end solutions backed by the most comprehensive customer support in the video security industry.

As part of Schneider Electric, Pelco connects you to the global specialist in energy and security management, and has the ability to deliver integrated security and building management solutions that let you control your entire security landscape across enterprises from a single user interface.

For more information, please visit pelco.com or call 800-289-9100 (United States and Canada) or 559-292-1981 (international). For pricing information or to purchase Pelco products, please contact your manufacturer's representative or the Pelco office in your area.

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