

Esprit Compact PTZ Camera

2 MP

4 MP

8 MP

The Esprit Compact is a hardened, mission-critical pan-tilt-zoom (PTZ) camera that can withstand the most extreme environmental factors. This security camera is built to withstand most outdoor environments while maintaining continuous clear, high-resolution live and recorded video, with up to 8 MP and 40x zoom.

Built for operations that have extreme operational requirements, this camera is ideal for monitoring cities, ports, industrial plants and enterprise facilities. Designed to have superior strength and durability, it is tested to MIL-STD-167-1A and 810G, allowing for extreme shock and vibration tolerance. It also is NEMA TS2 and IP66/67 rated to withstand extreme weather, shock, vibration and humidity.

The Esprit Compact is built with Smart Analytics, powered by Motorola Solutions, equipped with ONVIF Profile S, G and T and is NDAA-compliant, allowing for open connectivity with Pelco VideoXpert and leading partner VMS'.



Features



Smart Analytics with Auto-Tracking

Detects more objects with expanded object classifications and automatically tracks objects in zone for faster, decisive responses.



Wide Dynamic Range

Captures high-quality image details in scenes with dark and light backgrounds per IEC 62676-5.



Dust & Water Resistant

IP66/67 rating for resistance from dust and water.



ONVIF® Conformant

ONVIF Profile S, G, T and M conformance for easy integration with any third-party VMS.



Simple Deployment, Installation and Repair

Reduce installation times with accessory options such as power supplies, mounting brackets and IR/white light illuminators.



H.264 and H.265 with Smart Compression

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



Impact Resistant

IK10 rated for 20 joule impact resistance.



Peace of Mind

We back our Esprit Compact camera with a 5-year industry-leading warranty, with onsite support and 24/7 phone support.

ONVIF is a trademark of Onvif, Inc.

Specifications

| Image Performance | | 2.0 MP | 4.0 MP | 8.0 MP |
|-----------------------------------|---------|---|---|---------------------|
| Image Sensor | | 1/2.8" progressive scan CMOS | 1/2.5" Type "Exmor R" CMOS sensor | |
| Active Pixels (H x V) | | 1937 (H) x 1097 (V) | 2688 (H) x 1512 (V) | 3840 (H) x 2160 (V) |
| Imaging Area (H x V) | | 5.568 mm (H) x 3.132 mm (V); 0.219" (H) x 0.123" (V) | 6.22 mm (H) x 3.50 mm (V); 0.245" (H) x 0.137" (V) | |
| IR Illumination Max Distance | UEI8AA | 100 m (328 ft) | 30 m (98 ft) | |
| | UEI8AAP | 200 m (656 ft) | 75 m (246 ft) | |
| | UEI9AA | 75 m (246 ft) | 20 m (66 ft) | |
| | UEIWAA | 150 m (492 ft) | 50 m (164 ft) | |
| | UEIWAAP | 200 m (656 ft) | 100 m (328 ft) | |
| Minimum Illumination | | 0.03 lux (F/1.6) in color mode; 0.02 lux (F/1.6) in monochrome | 0.3 lux (F/2.0) in color mode; 0.09 lux (F/2.0) in monochrome | |
| Dynamic Range | | 120 dB | 100 dB | |
| Image Rate | | Up to 60 fps | Up to 30 fps | |
| Aspect Ratio (Resolution Scaling) | | Down to (16:9) 384x216 or (5:4) 320x256 | | |
| 3D Noise Reduction Filter | | Yes | | |

| Lens | | 2.0 MP | 4.0 MP | 8.0 MP |
|---------------|------------|--|--|--------|
| Lens | | 4.25 to 170 mm, F/1.6 - F/4.95, autofocus | 4.4 to 88 mm, F/2.0 - F/3.8, autofocus | |
| Angle of View | Horizontal | 66.35° - 1.9° | 69.7° - 2.2° | |
| | Vertical | 39.99° - 1.11° | 42.8° - 1.3° | |
| Zoom | | Up to 40x | Up to 36x ¹ | |

¹Up to 36x zoom is achieved with Image Stabilization off. Image Stabilization set to on will provide 30x zoom..

| Image Control | | 2.0 MP | 4.0 MP | 8.0 MP |
|--------------------------------|--|---|--------|--------|
| Video Compression | | H.264 and H.265 Pelco Smart Compression, Motion JPEG | | |
| Streaming | | Multi-stream H.264, Multi-stream H.265, Motion JPEG | | |
| Motion Detection | | Pixel motion: Selectable sensitivity and threshold. Classified object detection | | |
| Electronic Shutter Control | | Automatic, Manual (1/1 to 1/10,000 sec) | | |
| Iris Control | | Automatic, Open, Closed | | |
| Day/Night Control | | Automatic, Manual | | |
| Flicker Control | | 60 Hz, 50 Hz | | |
| White Balance | | Automatic, Manual | | |
| Backlight Compensation | | On/Off | | |
| Privacy Zones | | 3D, up to 64 zones | | |
| Presets | | 500 named presets | | |
| Digital Zoom | | 12X | 8X | |
| Tours | | 10 named tours | | |
| Electronic Image Stabilization | | Yes | Yes | |
| Digital Defog | | Adjustable/Off | | |

| Network | |
|-----------------------------|--|
| Network | 100BASE-TX |
| Cabling Type | CAT5e/CAT6 shielded (STP) Ethernet cable is required to fully comply with EMC regulatory standards |
| Connector | RJ-45 |
| ONVIF | ONVIF compliance Profile S, Profile T, and Profile G (www.onvif.org) |
| Security | Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication. Signed and encrypted firmware. |
| Protocols | IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv3, ICMP, DHCP, Zeroconf, HSTS, PoS, QSCP |
| Streaming Protocols | RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP |
| Device Management Protocols | SNMP v2c, SNMP v3 |

| Peripherals | |
|------------------------|--|
| Audio Input/Output | None |
| External I/O Terminals | 2 Alarm In, 2 Alarm Out |
| Onboard Storage | MicroSD/microSDHC/microSDXC slot - video speed class card required. Class V10 or better recommended. |

| Mechanical | | |
|------------------|--|------------------|
| Dimensions (Ø×H) | Ø240 mm × 406 mm; Ø9.45" × 16.0" | |
| Weight | Camera | 7.1 kg; 15.6 lbs |
| | Camera with LED illuminator | 7.4 kg; 16.3 lbs |
| Glass Window | 6 mm thick (0.24") | |
| Body | Aluminum and technopolymer | |
| Housing | Pendant and pedestal mount | |
| Finish | Epoxy-polyester powder painted, close to RAL9002 | |
| Tilt | Upright: -90° to +90°; Inverted: -40° to +90° Up to 250°/second | |
| Pan | 360°, endless, up to 250°/second | |

| Electrical | | |
|--------------------|---|---|
| Power Consumption | 71 W max with 24 VDC aux power supply or 90 W PoE, 100 VA with 24 VAC aux power. UL rating as specified on the product label = 5A max | |
| Power Source | External Power | 24 VDC, 24 VAC 50/60 Hz or 57 VDC PoE++, 71 W max |
| | PoE | 90 W PoE: IEEE 802.3bt Class 8 |
| Power Connector | 2-wire terminal block, 18 AWG to 13 AWG | |
| RTC Battery Backup | None | |

| Environmental | |
|-------------------------|---|
| Operating Temperature | Continuous operation from -40 °C to +65 °C (-40 °F to 149 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to 158 °F) |
| Humidity | 5% - 95% non-condensing |
| Housing Climate Control | Built-in heater and fan |
| Cold Start | Up to 135 minute startup delay at temperature lower than -10 °C (14 °F) |
| Wind Resistance | Sustained 230 km/h (143 mph) |

| Certifications | |
|-------------------------------|--|
| Certifications/Directives | UL, cUL, CE, UKCA, ROHS, RCM, BIS, KC, NOM |
| Safety | UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC/EN 62471 |
| Environmental and Performance | UL/CSA/IEC 60950-22, IEC 62262 IK10 Impact Rating (enclosure only), IEC 60529 IP66, IP67, IP68 Weather Rating, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-30, NEMA TS 2 para 2.2.7 - 2.2.9, Type 4X and 6P, Salt Spray ASTM B117, ISO 14993, MIL-STD-810-H, MIL-STD-167-1A |
| Electromagnetic Emissions | FCC Part 15 Subpart B Class A, IC ICES-003 Class A, EN 55032 Class A, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 50121-4 |
| Electromagnetic Immunity | EN 55035, EN 50130-4, EN 50121-4 |
| Warranty | 5-year limited warranty. Extended warranty not available. |

Analytics Specifications

| Supported Analytics Events* | |
|-------------------------------|--|
| Objects in Area | The event is triggered when the selected object type moves into the region of interest. |
| Object Loitering | The event is triggered when the selected object type moves into the region of interest, then stays for an extended amount of time. |
| Objects Crossing Beam | The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional. |
| Object Appears or Enters Area | The event is triggered by each object that enters the region of interest and can also be used to count objects. |
| Object Not Present in Area | The event is triggered when no objects are present in the region of interest. |
| Objects Enter Area | The event is triggered when the specified number of objects have entered the region of interest. |
| Objects Leave Area | The event is triggered when the specified number of objects have left the region of interest. |
| Object Stops in Area | The event is triggered when an object moves into a region of interest and then stops moving for the specified threshold time. |
| Direction Violated | The event is triggered when an object moves in the prohibited direction of travel. |
| Sabotage Detection | The event is triggered when the scene unexpectedly changes. |

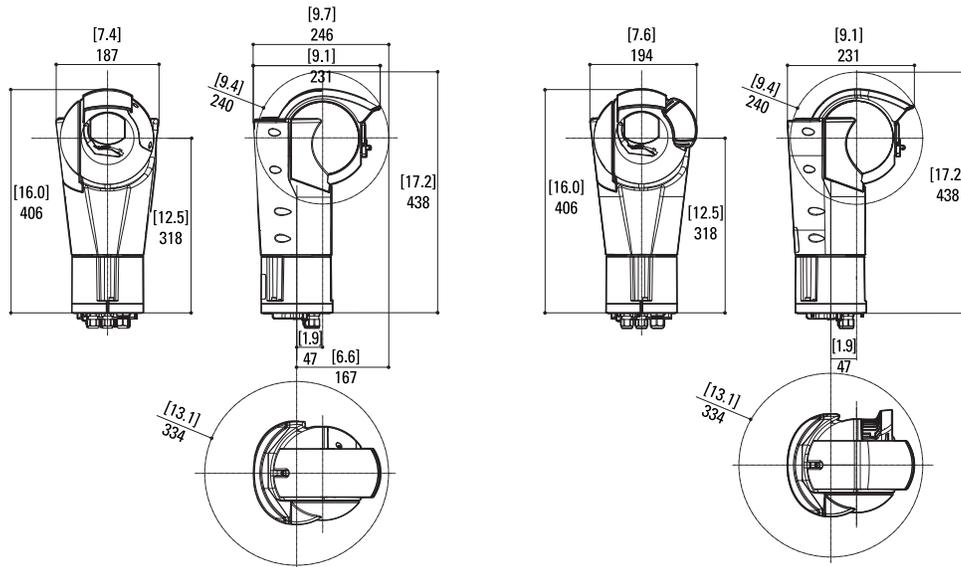
*Pelco Smart Analytics powered by Motorola Solutions.

Outline Dimensions

Esprit Compact PTZ Camera

(ESCE1-2x40-RLU, ESCE1-4X36-RLU, and ESCE1-8X36-RLU)

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



Ordering Information

PTZ CAMERAS

| | MP | WDR | LIGHTCATCHER TECHNOLOGY | ANALYTICS AT HOME POSITION | LENS | ZOOM | IP66/67/68 | HDSM SMARTCODEC |
|----------------|-----|-----|-------------------------|----------------------------|---------------|------|------------|-----------------|
| ESCE1-2X40-RLU | 2.0 | ✓ | ✓ | ✓ | 4.25 - 170 mm | 40x | ✓ | ✓ |
| ESCE1-4X36-RLU | 4.0 | ✓ | ✓ | ✓ | 4.4 - 88 mm | 36x | ✓ | ✓ |
| ESCE1-8X36-RLU | 8.0 | ✓ | ✓ | ✓ | 4.4 - 88 mm | 36x | ✓ | ✓ |

PTZ CAMERA ACCESSORIES

| Accessory | Description |
|-----------|---|
| UEI8AA | IR illuminator 850nm, Esprit Compact PTZ |
| UEI8AAP | Long distance IR, 850nm, Esprit Compact PTZ |
| UEI9AA | IR illuminator, 940nm, Esprit Compact PTZ |
| UEIWAA | White light illuminator, Esprit Compact PTZ |
| UEIWAAP | Long distance white illuminator, Esprit Compact PTZ |
| UEBWAA | Wall bracket for Esprit Compact PTZ |
| UEBP0AA | Parapet bracket for Esprit Compact PTZ |
| UEBP4AA | Parapet bracket with quick connector RJ45 + four poles |
| UEBP7AA | Parapet bracket with quick connector RJ45 + seven poles |
| UEAP | Pole adaptor, stainless steel AISI 316L |
| UEAC | Corner adaptor, SS AISI 316L |

| Accessory | Description |
|-----------------|--|
| UEAW | Counter-plate, stainless steel AISI 316L |
| WASPT0V5L5M00 | Washer 5l, 5m, 230Vac-24Vac-120Vac |
| WASPT0V23L11M00 | Washer 23l, 11m, 230Vac-24Vac-120Vac |
| WASPT1V23L30M00 | Washer 23l, 30m, water float, 230Vac |
| WASPT3V23L30M00 | Washer 23l, 30m, water float, 120Vac |
| COMB100A | Comm. box, w PS & Switch, 220-230Vac |
| COMB200A | Comm. box, w PS & Switch, 24Vac |
| COMB300A | Comm. box, w PS & Switch, 120-127Vac |
| SURGEPR | Lightning surge prot. for Ethernet line |

Support

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



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