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 POWERED BY MOTOROLA SOLUTIONS
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® COMPLIANT
ONVIF Profile S, G and T compliance allows for easy integration with existing ONVIF infrastructures. Integrates with Pelco VideoXpert and other leading video management systems.

ONVIF is a trademark of Onvif, Inc.

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.

MOTOROLA SOLUTIONS

PELCO
a Motorola Solutions Company

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) × 1097 (V)	2688 (H) × 1512 (V)	3840 (H) × 2160 (V)
Imaging Area (H x V)		5.568 mm (H) × 3.132 mm (V); 0.219 " (H) × 0.123 " (V)	6.22 mm (H) × 3.50 mm (V); 0.245" (H) × 0.137" (V)	
IR Illumination Max Distance	PEC-UEI8AA	100 m (328 ft)	30 m (98 ft)	
	PEC-UEI8AAP	200 m (656 ft)	75 m (246 ft)	
	PEC-UEI9AA	75 m (246 ft)	20 m (66 ft)	
	PEC-UEIWAA	150 m (492 ft)	50 m (164 ft)	
	PEC-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) 384×216 or (5:4) 320×256		
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]	

[1]Up 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		
Tours	10 named tours		
Electronic Image Stabilization	No	Yes	
Digital Defog	Adjustable/Off		

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IMAGE CONTROL

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Presets	500 named presets
Tours	10 named tours
Electronic Image Stabilization	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
Protocols	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMPv2, ICMP, DHCP, Zeroconf, ARP, HSTS
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP
Device Management Protocols	SNMP v2c, SNMP v3

PERIPHERALS

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

ELECTRICAL	
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
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
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

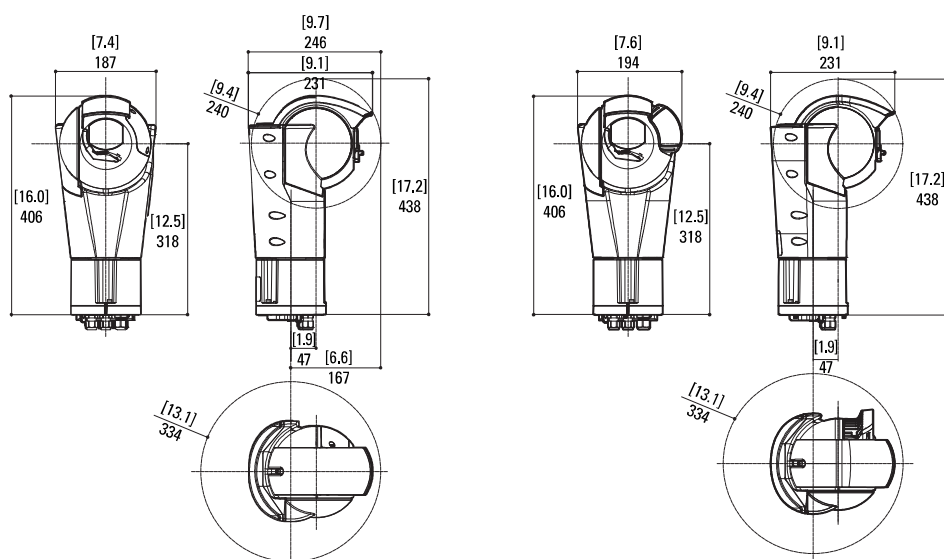| SUPPORTED ANALYTICS EVENTS*	
Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Object Loitering	The event is triggered when the selected object type moves into the region of interest, then stays for an extended amount of time.
Objects Crossing Beam	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.

AUTO-TRACK OBJECTS IN AREA	
Auto-track Objects in Area	The event is triggered when the selected object type moves into the region of interest defined at the home position. The camera will automatically reposition to track the object, returning to the preset home position once object is lost.

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
PEC-UEI8AA	IR illuminator 850nm, Esprit Compact PTZ
PEC-UEI8AAP	Long distance IR, 850nm, Esprit Compact PTZ
PEC-UEI9AA	IR illuminator, 940nm, Esprit Compact PTZ
PEC-UEIWAA	White light illuminator, Esprit Compact PTZ
PEC-UEIWAAP	Long distance white illuminator, Esprit Compact PTZ
PEC-UEBWAA	Wall bracket for Esprit Compact PTZ
PEC-UEBP0AA	Parapet bracket for Esprit Compact PTZ
PEC-UEBP4AA	Parapet bracket with quick connector RJ45 + four poles
PEC-UEBP7AA	Parapet bracket with quick connector RJ45 + seven poles
PEC-UEAP	Pole adaptor, stainless steel AISI 316L
PEC-UEAW	Parapet plate mount adapter, stainless steel AISI 316L, compatible with parapet mounting brackets

ACCESSORY	DESCRIPTION
PEC-UEAC	Corner adaptor, SS AISI 316L
PEC-UEAW	Counter-plate, stainless steel AISI 316L
PEC-WASPT0V5L5M00	Washer 5l, 5m, 230Vac-24Vac-120Vac
PEC-WASPT0V23L11M00	Washer 23l, 11m, 230Vac-24Vac-120Vac
PEC-WASPT1V23L30M00	Washer 23l, 30m, water float, 230Vac
PEC-WASPT3V23L30M00	Washer 23l, 30m, water float, 120Vac
PEC-COMB100A	Comm. box, w PS & Switch, 220-230Vac
PEC-COMB200A	Comm. box, w PS & Switch, 24Vac
PEC-COMB300A	Comm. box, w PS & Switch, 120-127Vac
PEC-SURGEPR	Lightning surge prot. for Ethernet line
PEC-OUEWIPER	UEA - Spare wiper blade
PEC-OUEMAN	UEA - Maintenance Kit

SUPPORT

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

MOTOROLA SOLUTIONS

PELCO
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