# **ESPRIT ANTI-CORROSION FIXED CAMERA**

2 MP

The Esprit Anti-Corrosion Fixed is a stainless steel fixed camera with exceptional resistance to corrosion, designed to guarantee efficient video security in offshore/onshore marine environments and in ports and roadways. With 40x zoom and full 1080p resolution, the Esprit Anti-Corrosion Fixed camera offers exceptional image quality while tracking objects in motion and in variable lighting conditions thanks to wide dynamic range and low light compensation. In addition, the Esprit Anti-Corrosion Fixed camera offers AISI 316L construction, with IP66/IP67/IP68/IP69 certifications, NEMA Type 4X and 6P ratings and Lloyd's Register Type Approval, among other environmental certifications, that ensure sites are protected even in wet and treacherous conditions.



## **FEATURES**



#### **RUGGED CONSTRUCTION**

AISI 316L stainless steel offers maximum corrosion resistance



#### **WEATHER RESISTANT**

Rated NEMA Type 4X/6P and IP66/67/68/69 for water, corrosion and dust resistance.



## WIDE DYNAMIC RANGE & LOW LIGHT COMPENSATION

Offers excellent image detail in contrasting light and shadows.



#### **HIGH-TEMPERATURE RANGE**

Optimized to operate reliably even at increased temperature variances: from -40°C (-40°F) up to +65°C (+149°F).



#### **LLOYD'S REGISTER MARINE TYPE APPROVAL**

Obtained Lloyd's Register Marine Type Approval for the maritime and shipping sector.



#### **ONVIF® COMPLIANT**

ONVIF Profile G, M, S and T compliance allows for easy integration with existing ONVIF infrastructures. Integrates with Pelco VideoXpert and other leading video management systems.



#### **RAILWAY COMPLIANCE**

Complies with the standard for railway applications.



#### **PEACE OF MIND**

3-year limited warranty. 5-year extended warranty is available.

ONVIF is a trademark of Onvif, Inc.





## **SPECIFICATIONS**

**Device Management Protocols** 

IMAGE PERFOR	RMANCE 2 MP			
Image Sensor		1/2.8" progressive scan CMOS, 2 MP		
Active Pixels (H x \	/)	1937 (H) × 1097 (V) = 2.2M Pixels		
Imaging Area (H x V)		5.568 mm (H) × 3.132 mm (V); 0.219 " (H) × 0.123 " (V)		
Minimum Illumination		0.03 lux (F/1.6) in color mode; 0.02 lux (F/1.6) in monochrome		
Dynamic Range		120 dB		
Image Rate		Up to 60 fps		
Aspect Ratio (Resolution Scaling)		Down to (16:9) 384×216 or (5:4) 320×256		
3D Noise Reductio	n Filter	Yes		
LENS				
Lens		4.25 to 170 mm, F/1.6 – F/4.95, autofocus		
Angle of View	Horizontal	66.35° - 1.9°		
Angle of View	Vertical	39.99° - 1.11°		
Zoom		Up to 40x		
IMAGE CONTR	nı .			
Video Compressio		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 Compen	sation	On/Off		
Privacy Zones		3D, up to 64 zones		
Presets		500 named presets		
Tours		No		
Electronic Image S	Stabilization	Yes		
Digital Defog		Adjustable/Off		
NETWORK				
Network		100 BASE-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 G, Profile M, Profile S, and Profile T (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		
Davisa Managament Protocola		CNMD v2a CNMD v2		

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SNMP v2c, SNMP v3

PERIPHERALS				
Audio Input/Output		None		
External I/O Terminals		2 Digital Output (optional)		
Onboard Storage		Pre-installed 128 GBytes storage		
MECHANICAL				
Camera Weight (fastening support included)		5.1 kg; 11.2 lb		
Extra Clear Glass Window		3 mm thick (0.12")		
Polycarbonate Window (optional)		3 mm thick (0.12")		
Construction		AISI 316L stainless steel		
Mounting configurati	ion	Wall, Parapet and Ceiling mount		
ELECTRICAL				
Power Consumption		21W		
Power Source/Current	External Power	24 VAC, 1.32A, 50/60 Hz 24 VDC, 0.9A		
Consuption	PoE	PoE+ (IEEE 802.3 at)		
Power/Signal Connec	ctor	26 AWG to 18 AWG		
RTC Battery Backup		None		
ENVIRONMENTA		F 4000 / 4005) 4 0500 /44005)		
Operating Temperatu	ire	From -40°C (-40°F) up to +65°C (149°F) Temperature test complies with NEMA-TS 2-2003 (R2008) par. 2.1.5.1, test profile fig. 2-1 (from -34°C (-29.2°F) to +74°C (165.2°F))		
Storage Temperature	9	-40 °C to +70 °C (-40 °F to 158 °F)		
Humidity		5% - 95% non-condensing		
Cold Start		Up to 60 minute startup delay at temperature lower than -10 °C (14 °F)		
CERTIFICATIONS				
Certifications/Directi		UL, cUL, CE, UKCA, ROHS, LR, RCM		
Safety		UL 62368-1, CSA 62368-1, IEC/EN 62368-1		
Environmental and Performance		UL/CSA/IEC 60950-22, IEC 60529 IP66, IP67, IP68, IP69 Weather Rating, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-30, IEC 60068-2-14, NEMA TS 2 para 2.2.7 - 2.2.9, Type 4X and 6P, MIL-STD-810-H		
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 50121-4 only for 24 VDC/VAC		
Warranty		3-year limited warranty. 5-year extended warranty is available.		
Railway Applications		Compliance to railway application standard: EN50121-4 (only with 24 VAC or 24 VDC power supply)		
Marine Applications		Lloyd's Register Marine Type Approval: Test Specification Number 1 (ENV1, ENV2, ENV3, ENV5) Electromagnetic compatibility: EN60945 Environmental: EN60068-2-52, IEC 60068-2-78 Tested at 70°C (158°F) for 16 hours in compliance with EN60068-2-2		

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## **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.	

<sup>\*</sup>Pelco Smart Analytics powered by Motorola Solutions.

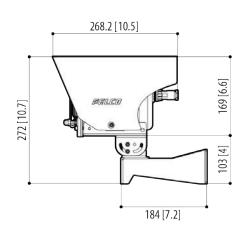
## **OUTLINE DIMENSIONS**

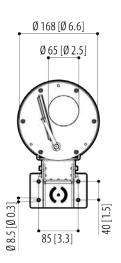
### **ESPRIT AC ENH1 2MPX40 FIXED**

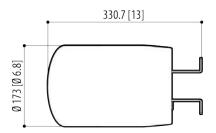
(ESPRIT ANTI-CORROSION ENHANCED 1 SERIES, 2MP 40X ZOOM, FIXED BULLET, 24V/POE+)

[X.X]	INCHES	
Χ	MM	

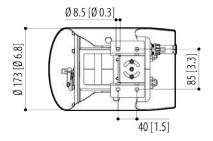
### **WALL MOUNT**

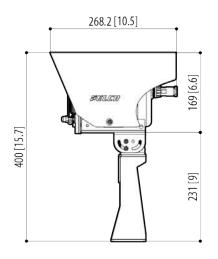






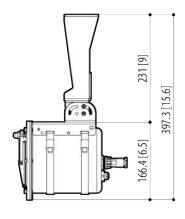
## **PARAPET MOUNT**

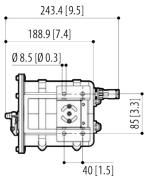


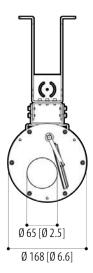




## **CEILING MOUNT**







## ORDERING INFORMATION

### **ESPRIT ANTI-CORROSION FIXED CAMERA**

DISPLAY PART NUMBER	EXTRA CLEAR GLASS WINDOW	POLYCARBONATE WINDOW	WIPER	2 DIGITAL OUTPUTS
ESSE1-2X40-SBT-PAP		✓		
ESSE1-2X40-SBT-PA	✓			
ESSE1-2X40-SBT-PAW	✓		✓	✓

### **ESPRIT ANTI-CORROSION FIXED ACCESSORIES**

ACCESSORY	DESCRIPTION
PEC-UEAP	Pole adaptor, stainless steel AISI 316L
PEC-UEAC	Corner adaptor, SS AISI 316L
PEC-UEAW	Counter-plate, stainless steel AISI 316L
PEC-WASPT0V5L5M00	Washer 5I, 5m, 230VAC-24VAC-120VAC
PEC-WASPT0V23L11M00	Washer 23I, 11m, 230Vac-24VAC-120VAC
PEC-WASPT1V23L30M00	Washer 23I, 30m, water float, 230VAC
PEC-WASPT3V23L30M00	Washer 23I, 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
NVXTUB	Dust protection frontal shield
WASNX1V10L20M00	Tank 10I (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 230 Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe
WASNX2V10L20M00	Tank 10I (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 24 Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe
WASNX3V10L20M00	Tank 10I (2.6gal) with integrated manual pump, controlled by solenoid valve, IN 120 Vac, delivery head up to 30m (98ft), with 20m (66ft) antistatic water delivery pipe

## **SUPPORT**

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





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