Imenco.com

NDAA COMPLAINT

Mil-Spec

GlobalData. Naval Technology EXCELLENCE AWARDS 2024 CATEGORY WINNER Imenco GlobalData.



ODIN

NAVAL PTZ

ODIN

External Compact Naval PTZ Camera

0527-6010

Benefits

- 5 Megapixel > HD resolution
- 30x optical / 16x digital zoom
- Ultra Power over Ethernet (PoE++)
- Qualified to US MIL Spec
- Rugged IP68 painted 316L stainless steel housing & integrated wiper

Applications

- Naval Surface Ships
- High Shock Survivability
- Situational Awareness
- Waterline Security

For further information, email
Systems.UK@imenco.com

imenco FUTURE TECHNOLOGIES

ODIN – 0527-6010

External Compact Naval PTZ Camera



Performance, Electrical & Network

Sensor Type	1/2.8" progressive scan CMOS, 5 Megapixels effective
Resolution	Up to 2592x1944 (5MP) @ 30fps, also 1920x1080 @ 30fps (full 1080p HD)
Sensitivity	Colour: 0.005 Lux (F1.6); Monochrome: 0.001 Lux (F1.6) (AGC On)
Video Compression	H.265, H.264, MJPEG
Video Streaming	3 simultaneous streams + service stream
Zoom	Optical 30x, 5.3mm to 159mm / Digital 16x
Iris Control & Focus	IC = Auto, F = Auto / Manual
Horizontal FOV in air	55° (wide) to 2.3° (tele)
Presets/tours	400 preset positions / 12 tours
Network interface	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
Security	Base-64 Authentication, HTTPS (SSL), 802.1x, IP Address Filtering
Protocols	IPv4, HTTP, HTTPS, 802.1x, TCP, UDP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, SNMP, DNS, UPnP, FTP, ICMP, IGMP, Unicast/ Multicast
Edge Storage (optional)	128GB
Power	PoE++ (IEEE 802.3bt) 60W for standard camera, 90W required for illuminator options AC Power Option 100-240Vac, 50/60 Hz, 50W max to Junction Box
DORI (Detection, Observation, Recognition, Identification)	D= 25px/m – 3100metres, O= 63px/m – 1250metres, R= 125px/m – 324metres, I= 250px/m – 312metres
Analytics	Intelligent Motion Tracking, Perimeter, Virtual Fences, Objects Left/Removed, Event Notification, Video Overlay

Environmental

Approvals	CE, ROHS, LVD
Housing	IP68, weatherproof, includes sunshield, heater and fan
Temperature / Humidity	Operating Low: -40°C, MIL-STD-810G Method 502.5 Operating High: +71°C, MIL-STD-810G Method 501.5 Storage: -40°C to +70°C, MIL-STD-810G Method 502.5 / 501.5 Humidity:+60°C/95% RH MIL-STD-810G Method 507.5
Salt fog	+35°C/95% RH salt concentration 5% MIL-STD-810G Method 509.5
Shock	MIL-DTL-901E, Grade B, Class 1, Type A
Vibration	MIL-STD-167-1A, Type 1, Shipboard, 4 to 33Hz
EMI	MIL-STD-461G, Above Decks Surface Ships Limits
Wind Resistance	Designed to withstand up to 100 knot winds

Mechanical

Dimensions	Camera: Ø313.4mm x 493mm (H), c/w illuminators, sunshield & pedestal bracket Camera: Ø226mm x 387mm (H), c/w sunshield, excluding illuminators &pedestal bracket Junction Box: 366mm x 268mm x 95mm / Cable (camera to JB): 5 m long
Materials & Finish	Camera: 316L stainless steel, painted epoxy primer & 2 coats poly semi-gloss to FED-STD-595, colour 26270 (USN Gray, other colours available); Junction Box: 316L stainless steel, same paint finish as camera; Cable: Low Smoke Zero Halogen (LSZH) insulation; Wiper c/w long life silicone blade
Weight	Camera: 16.5Kg no lamps/ 17.5Kg with lamps / Pedestal Bracket: 3Kg / Junction Box: 5.5Kg
Installation	Camera/Pedestal: 4 x M12 A4 stainless steel fixings on 120.65mm (4¾") PCD Junction Box: 4 x M8 A4 st/st fixings, 235mm (9¼") x 260mm (10¼") CTRS
Connector	Camera: st/st RJFTV6A2SA1S (PoE Power, mating plug & backshell kit also included) st/st D38999/20KE99PN (AC Power); Junction Box: sealed glands
Window Material	Polycarbonate, optically flat, 4mm thick
MTBF	61,320 hours

Pan & Tilt Coverage

Pan Range / Speed	360° continuous / 49°/sec max
Tilt Range / Speed	-60° to +90° upright / +60° to -90° hanging down / 37°/sec max

Options

IR illuminator (850nm)	Range up to 300m, adapts beam width to suit camera zoom
Dual IR & White Light illuminator	Range up to 250m, adapts beam width to suit camera zoom

0527-6010_Datasheet_Rev R

Specification subject to change without any further notice

For further information, email
Systems.UK@imenco.com

imenco
FUTURE TECHNOLOGIES