



Internal Marine 360° Fixed Camera

0482-6052-0002

Benefits

- 12 Megapixel CMOS sensor
- 360° imaging technology / no moving parts
- IR illuminators
- Robust IP66 / IK10 housing
- 180° Panoramic view

Applications

- Situational Awareness
- Commercial Vessels
- Naval Surface Ships
- Offshore Platforms

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Performance, Electrical & Network

Resolution	Sensor up to 2944 x 2944, 12MP (12MP Sensor with 8.6MP usable resolution)
Scene Illumination	0.1Lux @ F2.0 colour day mode / 0.005 Lux @ F2.0 monochrome night mode
Sensor Type	1/2.3" progressive CMOS
Video Compression	H.265, H.264 and MJPEG
Video Streaming	3 simultaneous streams
Frame Rate	1 to 30fps, 30fps at 2944 x 2944 resolution (WDR off); 20fps at 2944 x 2944 resolution (WDR on)
Digital Zoom	12x digital zoom with client side de-warping software
IR Illuminators	Built in IR illuminators, effective up to 20 metres
Audio	Built-in microphone, effective range 5m; audio compression: G.711, G.276
Network Interface	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
Security	Access list, Account block, Audit log, Configurable password strength protection, CSRF protection, Digest authentication, HTTPS, IEEE 802.1x, Secure boot, Session timeout, Signed firmware, Trend Micro IoT Security (Brute force attack event, Cyberattack event, Quarantine event), User access log, User account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP
Edge Storage	Micro SD/SDHC/SDXC card slot
Power Input	PoE+ IEEE802.3at Class 4, 22.5W Max IR On / 9.5W Max IR Off
Electro-Magnetic Compatibility	CISPR 22 EN55032, CISPR 24 EN55024, EN62368-1, EN60950-22
DORI (Detection, Observation, Recognition, Identification)	D= 25PPM/ 8PPF- 31.5metres, O= 63PPM/ 19PPF- 12.5metres, R= 125PPM/ 38PPF- 6.3metres, I= 250PPM/ 76PPF- 3.1metres
Analytics	SoC with built-in hardware deep learning accelerator, Object Detection, Attribute Extraction, Deep Learning VCA, Smart Motion Detection, Loitering detection, Line crossing detection, Unattended object detection, Missing object detection, Face detection,

Optical

Standard Lens	180°, F2.0, focal length 1.22mm
Iris Control	Electronic, automatic
Focus	Fixed focal
AOV in air	180° horizontal x 180° vertical x 180° diagonal

Mechanical

Dimensions	150mm (Ø) x 66mm (H)
Weight	1.1Kg
Standard Housing	Powder coated aluminum; polycarbonate dome
Connector/Cable	In-line IP68 sealed RJ45 Tee Tube coupler on 3m LSZH CAT5e cable tail
MTBF	996,484 hours

Environmental

Approvals	CE, LVD, FCC
Housing	IP66, IK10, NEMA 4X
Temperature Operating / Storage	-40°C to +60°C / 95% RH (start-up should be done at above -20°C) / Storage: -40°C to +70°C
Shock	30g, 25ms duration, shock handling test
Vibration	(Designed to) MIL-STD-167-1A Shipboard, 4 to 33Hz

Specification subject to change without any further notice

For further information, email
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