

130SARD640

Radiometric fixed Marine Camera

Temperature measurement - AISI316 construction



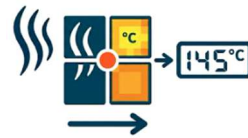
ALLWAN

VIDEO & SECURITY SOLUTIONS



DESCRIPTION

- Manufacturing 100% stainless steel 316L
- NDA Compliant
- Waterproof IP66/67 – Anti-corrosion
- LWIR Sensor Resolution 640x512 @ 9Hz or 30Hz
- Germanium window
- Works from -60 to +60°C
- Options Optical fiber output, IP on coaxial
- 24VAC/120VAC/230VAC/24VDC or POE according to model



TECHNICAL CHARACTERISTICS

GENERAL AND MECHANICAL

Dimensions	See diagram on page 2
Temperature	-60° +60°C, +75°C peaks
Construction	Inox AISI316L – Electro-polished
Cable inputs	2 x M20x1.5 (Nickel-plated brass cable gland included)
Window	Germanium window 75mm HC Coating

ELECTRICAL

Heating management	T _{ON} [°C] = 12.4°C, T _{OFF} [°C] = 20.3°C
Supply voltages	24VAC, 120VAC, 230VAC (+/-10%) 24VDC or PoE on specific request
Consumption	40W max

CERTIFICATIONS

Watertightness/ Shocks	EN 60529 (IP66/IP67) and IK10 on all sides except porthole
EMC	EN 55032; EN 55035; EN/IEC 61000-3-2; EN/IEC 61000-3-3; EN/IEC 61000-6-2; EN/IEC 61000-6-4; CISPR-32; CISPR-35
LVD	EN/IEC 62368-1
RoHS	2011/65/EU + 2015/863/EU (RoHS 3)
WEEE	2012/19/EU

CAMERA

Sensor	LWIR Vox Micro-bolometer not cooled – 17µm
Resolution	640 x 512
Spectral Band	7.5 – 13.5 µm
Compression	2 independent streams H.264/H.265 or MJPEG
Frames per second	9Hz or 30Hz optional

Focus	Fixed
Sensitivity	<25mK @ F1.0
Shutter	SSN – Silent Shutterless NUCTM for continuous improvement of image uniformity
Local registration	On MicroSD card max 512GB (not included)
Gain	DDE Digital Detail Enhancement
Analysis	Intrusion detection, region violation, Virtual lines, etc
Thermal temperature range	High gain: 0°C to 160°C (32°F to 320°F) Low gain: 0°C to 380°C (32°F to 716°F)
Measurement accuracy	Target below 100° : +/-5°C Target below 150°C: +/-5% Target above 150°C: +/-15%
Available Lenses :	
9mm	69°x56°, F1.4
13mm	44°x36°, F1.0
25mm	25°x18°, F1.1
35mm	17°x14°, F1.1

NETWORK

Interface	100 Base-TX/1000BASE-T
Security	User Authentication/HTTPS
OnVif	ONVIF profile S/G/T
Protocols	IPv4/v6, TCP, UDP, RTSP, HTTP, HTTPS, FTP, DHCP, NTP



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IP OVER COAX CONVERTER (OPTION)

Interface	100BASE-TX
Bandwidth	Up to 95Mbps downlink/uplink
Max distance	1800m
Technology	Broadband over Power Lines (BPL)
Interference	IEEE 1901-2010 Inter-System Protocol ISP

OPTICAL FIBER CONVERTER (OPTION)

Interface	100 Base-FX/1000BASE-X
Type of Fiber	Singlemode (9/125 μ m)/2 fibers
Maximum Distance	20Km
Wavelength	1310nm
Connectors	SC

AVAILABLE MODELS

130SARD640-24IPxx	Radiometric Camera 640 SST – IP RJ45 – 24VAC
130SARD640-120IPxx	Radiometric Camera 640 SST – IP RJ45 – 120VAC
130SARD640-230IPxx	Radiometric Camera 640 SST – IP RJ45 – 230VAC
130SARD640-24FOxx	Radiometric Camera 640 SST – IP Fibre SM – 24VAC
130SARD640-120FOxx	Radiometric Camera 640 SST – IP Fibre SM – 120VAC
130SARD640-230FOxx	Radiometric Camera 640 SST – IP Fibre SM – 230VAC
130SARD640-24CXxx	Radiometric Camera 640 SST – IP COAX – 24VAC
130SARD640-120CXxx	Radiometric Camera 640 SST – IP COAX – 120VAC
130SARD640-230CXxx	Radiometric Camera 640 SST – IP COAX – 230VAC

Replace xx with the focal length of the lens: 9mm=09, 13mm=13, etc.
POE models, replace 24/120/230 with POE

CABLE TAILS ASSEMBLIES

CT3A	3m tail with power supply, CAT.6A, data equipped with 2 M20x1.5 nickel-plated brass cable glands
CTF3C	3m tail with power supply, Optical Fiber, data equipped with 2 M20x1.5 nickel-plated brass cable glands
CT5A	5m tail with power supply, CAT.6A, data equipped with 2 M20x1.5 nickel-plated brass cable glands
CTF5C	5m tail with power supply, Optical Fiber, data equipped with 2 M20x1.5 nickel-plated brass cable glands
CT10A	10m tail with power supply, CAT.6A, data equipped with 2 M20x1.5 nickel-plated brass cable glands
CTF10C	10m tail with power supply, Optical Fiber, data equipped with 2 M20x1.5 nickel-plated brass cable glands

MOUNTING ACCESSORIES

WALL	Wall mounting bracket
POLE	Pole adapter (requires wall bracket)
TPOLE	Mounting on top of a pole (requires wall bracket)
CELL	Ceiling bracket

