

# 130SATH640

## Fixed Thermal Marine Camera

SST construction AISI316, Wide range of lenses



# ALLWAN

VIDEO & SECURITY SOLUTIONS



### DESCRIPTION

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



ONVIF®

### TECHNICAL CHARACTERISTICS

#### GENERAL AND MECHANICAL

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

#### ELECTRIC

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

#### CERTIFICATIONS

Ingress Protection Shocks	EN 60529 (IP66/IP67) IK10 on all sides except the window
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 Microbolometer uncooled – 17µm
Resolution	640 x 512
Spectral Band	7.5 ~ 13.5 µm
Compression	2 independent streams H.264/H.265 or MJPEG
Frames/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)
Available Lenses :	
7.5mm	90°x69°, F1.2
9mm	69°x56°, F1.4
13mm	44°x36°, F1.0
19mm	32°x26°, F1.0
25mm	25°x18°, F1.1
35mm	17°x14°, F1.1
60mm	10°x8.2°, F1.2



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### 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

### OPTICAL FIBER CONVERTER (OPTION)

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

### AVAILABLE MODELS

130SATH640-24IPxx	Thermal 640 SST Camera – IP RJ45 – 24VAC
130SATH640-120IPxx	Thermal 640 SST Camera – IP RJ45 – 120VAC
130SATH640-230IPxx	Thermal 640 SST Camera – IP RJ45 – 230VAC
130SATH640-24FOxx	Thermal 640 SST Camera – IP Fiber SM – 24VAC
130SATH640-120FOxx	Thermal 640 SST Camera – IP Fiber SM – 120VAC
130SATH640-230FOxx	Thermal 640 SST Camera – IP Fiber SM – 230VAC
130SATH640-24CXxx	Thermal 640 SST Camera – IP Over coax – 24VAC
130SA4K640-120CXxx	Thermal 640 SST Camera – IP Over coax – 120VAC
130SA4K640-230CXxx	Thermal 640 SST Camera – IP Over coax – 230VAC

Replace xx with the lens focal length: 7.5mm=075, 9mm=09, 13mm=13, etc.  
POE models, replace 24/120/230 by POE

### IP OVER COAX CONVERTER (OPTION)

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

### 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
POLE	Pole mounting adapter
TPOLE	Top pole adapter
CELL	Ceiling mounting bracket

