

132SADUAL

Bi-Spectrum Fixed Marine Camera

Day 5Mp 32x zoom and Thermal - AISI316



ALLWAN

VIDEO & SECURITY SOLUTIONS



DESCRIPTION

- Manufacturing 100% stainless steel 316L
- Waterproof IP66/67 – Anti-corrosion
- Built-in wiper (For visible window)
- Day: 5Mp Day/Night ICR with 32x autofocus zoom
- Thermal: LWIR Resolution 640x512 @ 9Hz or 30Hz
- 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	-50° +60°C, +75°C peaks
Materials/ Finishing	Stainless Steel AISI316L – Electro-polished
Cable inputs	2 x M20x1.5 (Nickel-plated brass cable gland included)
Window	Dual windows. Thermal: Germanium window 34mm HC coating

ELECTRIC

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

CERTIFICATIONS

Ingress Protection/ Shocks	EN 60529 (IP66/IP67) and IK10 on all sides except 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

VISIBLE CAMERA (DAY)

Sensor	1/2.8" Sony STARVIS Progressive CMOS 5Mp
Resolution	2560 x 1920 5Mp
Compression	H.265/H.264/MJPEG
Stream resolution	2560 x 1920 @ 30fps
Frames/second	30fps at 5Mp

Focus	Auto/Manual/Semi-auto
Sensitivity	Color 0.001Lux 5F1.6/ Monochrome 0.0001 Lux (F1.6)
Shutter	1/3 to 1/30000s
Day/Night	YES, removable IR filter
White Balance	Auto/Manual/Indoor/Outdoor/ATX/Sodium lamp, natural, One-push
Dynamic range	WDR
Lens	32x optical zoom + 16x digital Horizontal Angle 57.1° ~ 1.96° Vertical Angle 44.4° ~ 1.17°
Image Settings	Saturation, Brightness, Contrast, Gamma, Sharpness
Local recording	On SD card (not provided)
Image stabilization	Yes, EIS system
Signal/Noise Ratio	>55dB

THERMAL 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/second	9Hz or 30Hz optional
Lenses available:	
9mm	69°x56°, F1.4
13mm	44°x36°, F1.0
19mm	32°x26°, F1.0
25mm	25°x18°, F1.1



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NETWORK

Interface	100 Base-TX/1000BASE-T
Security	User Authentication/HTTPS
OnVif	Yes
Protocols	RTP, RTSP, HTTP, HTTPS, TCP, UDP

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

132SADUAL-24IPxx	Dual-spectrum day + thermal – IP RJ45 – 24VAC
132SADUAL-120IPxx	Dual-spectrum day + thermal – IP RJ45 – 120VAC
132SADUAL-230IPxx	Dual-spectrum day + thermal – IP RJ45 – 230VAC
132SADUAL-24FOxx	Dual-spectrum day + thermal – IP Fiber SM – 24VAC
132SADUAL-120FOxx	Dual-spectrum day + thermal – IP Fiber SM – 120VAC
132SADUAL-230FOxx	Dual-spectrum day + thermal – IP Fiber SM – 230VAC
132SADUAL-24CXxx	Dual-spectrum day + thermal – IP COAX – 24VAC
132SADUAL-120CXxx	Dual-spectrum day + thermal – IP COAX – 120VAC
132SADUAL-230CXxx	Dual-spectrum day + thermal – 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

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

TAIL CABLES 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 Bracket
POLE	Pole adapter (requires wall bracket)
TPOLE	Mounting adapter for the top of a pole (requires wall support)
CELL	Ceiling mounting bracket

