

COEX™ C2000-1FT Marine Camera Station

The COEX™ C2000-1FT camera series has a unique compact and lightweight design specifically developed for industrial and marine applications. With a 316L stainless steel enclosure the C2000-1FT is designed for toughness and durability to operate in the most adverse environments whilst allowing constant visual feedback in zero light conditions.



The COEX™ C2000 marine camera stations are manufactured from the highest grade, corrosion resistant, electro-polished 316L stainless steel – incorporating state of the art camera and control options.

Integrating the latest thermal imaging technology allows the C2000 camera station to comprehensively cover a wide range of site applications where standard cameras would be ineffective:

- Intruder / Perimeter Detection
- Process Monitoring / Fault Detection
- Material and Temperature Differentiation

Features

- DNV Type Approval
- CSAus Certification
- CSA Canadian Certification
- IP66 & IP67 Rated – Completely Protected Against Dust & Water Ingress, for the Most Demanding Environments
- Type 6 Enclosure
- Electro-polished 316L Stainless Steel, for Maximum Corrosion Resistance
- Low Voltage Operation
- Onscreen Menu Display Allowing Easy Configuration and Diagnostics

- Single Stationary Cable Tail
- Multi-protocol Telemetry for Extensive System Compatibility
- Germanium Window
- Thermostatically Controlled Window Demister
- Removable Camera Chassis for Ease of Servicing

Options

- Integral Wiper [W]
- COEX™ 'MEWS' Wash System
- IP, Fibre Optic Available with Associated Junction Box

Specifications

CERTIFICATIONS / RATINGS		[OPTIONS]		
Certifications / Ratings	DNV Type Approval CSAus / CSA Canadian Class 3862 13 and Class 3862 93 EMC:61000 CE Compliant IP66 & IP67 to IEC 60529 Type 6 Enclosure			
ENVIRONMENTAL				
Operating Temperature	-45°C to +70°C			
MECHANICAL				
Material	Electro-polished 316L Stainless Steel			
Window	Germanium Glass, Thermostatically Operated Demister [Wiper]			
Mounting	1 x Ø 10.5 mm			
Dimensions (W x D x H)	166 x 310 x 230 mm			
Weight	5 kg			
ELECTRICAL				
Power Requirements	24Vac 50 / 60Hz or 24Vdc (±10%)			
Power Consumption*1	20VA Maximum			
TELEMETRY				
Interface	RS485 serial asynchronous data			
Protocols*2	Synectics™, Pelco®, and other industry standard protocols available			
Functions*1	Zoom, Aux1, [Aux2], Aux In			
Thermal Camera Functions 300 Series*1	2x / 4x Electronic Zoom, Black Hot / White Hot, Ironbow, Auto / Manual Shuttering			
Thermal Camera Functions 600 Series*1	Continuous Electronic Zoom, Multiple Colour Palettes (including Inverted), Multiple Contrast Display, Contrast and Level Control, Hot and Cold Spot, Auto / Manual Shuttering			
OSD	Password protected on-screen menu system for camera station configuration and diagnostics			
CAMERA / LENS	C2000-1FT345	C2000-1FT315	C2000-1FT650	C2000-1FT625
Image Sensor	Amorphous Silicon Microbolometer			
Spectral Response	8 – 14 µm			
Refresh Rate	<9Hz [25Hz]			
Thermal Sensitivity	100mK		70mK [50mK]	
Resolution	384 x 288		640 x 480	
Fixed Focal Length	45 mm	15 mm	50 mm	25 mm
Angle of View (H)	12.2° x 9.3°	35° x 25°	12.4° x 9.3°	25° x 18.7°
Human Detection*3/4	~1000 m	~200 m	~1100 m	~560 m

NOTE: *1 Dependant on equipment fitted. *2 Refer to Synectics for availability and compatibility with other control systems. *3 Based on Johnson Criteria. *4 Actual range may vary depending on camera set-up, user experience, environmental conditions and type of monitor or display used.

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Specifications subject to change. E & OE.

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MANUFACTURER OF

 CAMERA STATIONS

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