

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.



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
- EAC-TR CU 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
- 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, Fiber 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 EAC-TR CU EMC:61000 CE Compliant IP66 & IP67 to IEC 60529 Type 6 Enclosure			
ENVIRONMENTAL				
Operating Temperature	-45°C to +70°C / -49°F to 158°F			
MECHANICAL				
Material	Electro-polished 316L Stainless Steel			
Window	Germanium Glass, Thermostatically Operated Demister [Wiper ⁵]			
Mounting	1 x Ø 0.41"			
Dimensions (W x D x H)	166 x 310 x 230 mm / 6.54" x 12.21" x 9.06"			
Weight	5 kg / 11 lb			
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	3 step digital zoom (2x, 4x, 8x), Multiple Colour Palettes (including Inverted), Cross Hair Temperature Display, 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	324 x 256		640 x 512	
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 / ~1093 yd	~200 m / ~218 yd	~1100 m / ~1202 yd	~560 m / ~612 yd

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. *5 Wipers are consumable items that need regular replacement. Please refer to the manual for recommendations and maintenance.

Synectics

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Specifications subject to change. E & OE.

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MANUFACTURER OF

 CAMERA STATIONS

Reference Numbers:
 C2000-1FT/0416/USL Iss 11