

COEX™ C2000-1F Marine Camera Station

The COEX™ C2000-1F camera series has a unique compact & lightweight design specifically developed for industrial and marine applications. With a 316L stainless steel enclosure the C2000-1F is designed for toughness and durability to operate in the most adverse environments – from extremely low temperatures where ice is prevalent to severe weather conditions on all types of vessels.



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.

The advanced mechanical design provides a reliable solution for both security and process monitoring in any environmental condition.

Integrated with the latest camera technology, the C2000 camera stations are compatible with a broad range of control systems and support all transmission methods including IP and fibre optics.

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
- Toughened Glass 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
- Thermal Imaging
- High Definition

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	Toughened 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	Wipe, Wash and Aux1		
Day / Night Camera Functions*1	Optical Zoom, Digital Zoom, BLC, Autofocus, Focus, Colour / Mono, Iris, Auto Iris, Frame Integration, White Balance		
OSD	Password protected on-screen menu system for camera station configuration and diagnostics		
CAMERA / LENS	C2000-1F18 [W]	C2000-1F36 [W]	C2000-1F10 [W]
Video Output	1.0 Vpk-pk CVBS into 75Ω; Colour PAL 50Hz [NTSC 60Hz]		
Image Sensor	¼" EXview HAD CCD		⅓" Super HAD CCD II
Resolution	>550TVL		>530TVL
S/N Ratio	>50dB		
Zoom Range	18x zoom (up to 216x with digital zoom)	36x zoom (up to 432x with digital zoom)	10x zoom (up to 120x with digital zoom)
Minimum Illumination	0.7 lux (0.07 lux with ⅓ sec integration)	1.4 lux (0.10 lux with ⅓ sec integration)	0.25 lux (0.015 lux with ⅓ sec integration)
	0.01 lux mono (with ⅓ sec integration)	0.01 lux mono (with ⅓ sec integration)	0.0004 lux mono (with ⅓ sec integration)
Focal Length	4.1 to 73.8 mm	3.4 to 122.4 mm	5.1 to 51 mm
Angle of View (H)	48° to 2.8°	57.8° to 1.7°	52° to 5.4°
Aperture	F1.4 to 3.0	F1.6 to 4.5	F1.8 to 2.1

NOTE: *1 Dependant on equipment fitted. *2 Refer to Synectics for availability and compatibility with other control systems .

Synectic Systems

sales@synecticsglobal.com

synecticsglobal.com

Specifications subject to change. E & OE.

Copyright © Synectic Systems Group Ltd., Synectic Systems, Inc., Synectic Systems (Asia) Pte. Limited 2015. All Rights Reserved.

MANUFACTURER OF



CAMERA STATIONS

Reference Numbers: 03GF0509_1
C2000-1F/0215/A4 Iss 7