

Light ring colour camera

oe16-376/377



Right Angle Viewing Adaptor

- Integral lighting
- Operator and vehicle deployment
- Compact dimensions

The Kongsberg Maritime OE16-376 (PAL) (OE16-377 (NTSC)) fixed colour camera has small dimensions making it suitable for general purpose viewing and manipulator arm applications. The integral LED lighting allows the camera to be used in applications that previously required a separate camera and lamp.

This model replaces the Kongsberg Maritime OE16-106 with the major difference being improved resolution and sensitivity while retaining the unique front port design which prevents light from the 10 LEDs reflecting back into the lens.

Auto shuttering, together with a wide AGC range, give excellent light compensation at minimum cost. The lack of any moving parts and robust construction makes the camera extremely resistant to shock and vibration.

The professional features associated with all Kongsberg Maritime cameras have been built into a compact and rugged housing, ideally suited for operator and vehicle deployment.

The Right Angle Viewing Adaptor provides the user with a cost effective solution for inspection of pipe walls or for obtaining video of the sides of chambers or cavities where space is restricted.

The OE16-376/377 is compatible with Kongsberg's Industrial CCTV Portable Video Inspection Systems and is also available with an electro-polished stainless steel housing and non-browning glass option.

Standard Features

Electrical

Horizontal Resolution	480 TV Lines
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Minimum Scene Illumination	0.28 Lux
Signal to Noise Ratio	>56dB CCIR weighted
Sensor Type	1/4" Interline Transfer CCD
Scanning	625 Line/50Hz PAL (oe16-376) 525 Line/60Hz NTSC (oe16-377)
Power Input	12V - 24V dc, 220mA
LED Current	130mA
Light Output	4 Lux at 1 mtr
Video Output	1.0V Pk - Pk composite video into 75Ω
White Balance	Normally fixed at 5600K
Electronic Shutter	1/50 - 1/10000 (PAL) 1/60 - 1/10000 (NTSC)
Sync	Internal
Electro-Magnetic Compatibility	EN50081-1 Emission/ EN50082-1 Immunity

Environmental

Water Depth	300 metres
Temperature	Operating -5°C to +40°C Storage -20°C to +60°C
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

Optical

Standard Lens	4.3mm f/1.8
Iris Control	CCD electronic
Focus Control	Fixed, 300mm to Infinity
Angle of View	40° diagonal

Mechanical

Diameter	45mm
Length	96mm (excl. connector)
Weight	Air 0.37Kg Water 0.21Kg
Standard Housing	Aluminium alloy HE30T6 to BS1470
External Finish	Hard Anodised, Black Dyed to OPS2A
Standard Connector	BH4M (or equivalent) Pin 1 - 0V/Video Screen Pin 2 - Power Pin 3 - Composite Video Out Pin 4 - Connect to 0V for LED power on Other Connector options available

Camera Options

Right Angle Viewing Adaptor
Electro-polished stainless steel housing
Non-browning glass



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