



GENERAL DESCRIPTION

- ***High Resolution CCD***
- ***Single Wire Tri-state Control***
- ***Versatile***

The Kongsberg Simrad OE1386/OE1387 Pan and Tilt camera is a compact and versatile inspection camera which utilises the latest in CCD colour sensor technology. Having no external moving parts, the camera utilises the design concepts of the well proven and reliable motorised gimbal head assembly employed in the original OE1380 series of Pan, Tilt and Rotate cameras. The camera is manufactured in hard anodised marine grade aluminium and is rated to 1,000 metre depth, with deeper rated variants available.

The camera features long line cable compensation, over-voltage protection and reverse polarity protection as standard. The camera additionally employs innovative single wire tri-state control and can be controlled via a 1236 control unit.

APPLICATIONS

ROV MOUNTING

INTERNAL PIPE INSPECTION

TANK INSPECTION



KONGSBERG SIMRAD OE1386 PAN & TILT CAMERA

STANDARD FEATURES

Electrical

Horizontal Resolution:	460 TV Lines (470 TVL for OE1387)
Light Sensitivity:	0.2 Lux (faceplate)
Signal to Noise Ratio:	>46dB weighted (>48dB for OE1387)
Sensor Type:	Interline Transfer CCD (1/3" format)
Scanning:	625 Line / 50Hz PAL for OE1386 525 Line / 60Hz NTSC for OE1387
Power Input:	Constraint Voltage 16V - 24V dc. 500mA (max)
Video Output:	1.0 Pk - Pk composite video into 75Ω
Cable Compensation:	Preset ranges up to 1,200 metres of RG59
Electro-Magnetic Compatibility:	EN50081-1 Emission / EN50082-1 Immunity

Environmental

Water Depth:	1,000 metres, deeper options available
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:	4.0mm f/1.2
Iris Control:	Automatic
Focus Control:	Motorised Remote Control (50mm to Infinity)
Focus Control:	Single wire tri-state control
Angle of View:	72° diagonal in water

Pan and Tilt Coverage

Pan Movement:	Horizontal	100° (±50°)
Tilt Movement:	Vertical	180° (±90°)
Total Angular Coverage:	Horizontal	160° (±80°) inc. lens angle of view
	Vertical	180° (±90°)
Pan and Tilt Control:	2 x single wire tri-state controls	

Mechanical

Size:	Length	181mm exc. connector & guard
	Diameter	104mm main body
	Diameter	115mm maximum
Weight	Air	1.8kg
	Water	0.3kg
Standard Housing:	6082-T6 Marine Grade Aluminium	
External Finish:	Hard anodised, Black Dyed	
Connector:	8 pin right angle Sea Con FAWN-8P-BCRA, (or equivalent) with detachable connector guard. Other connector options available.	