

## Trolley mounted CCTV system

oe16-312/313



- Trolley mounted ZRAT colour camera
- Compact and rugged system trolley/storage
- Robust umbilical and mains cabling

The Kongsberg Maritime OE16-312/313 trolley mounted CCTV system is a versatile stand-alone system that can be used for a variety of remote inspection tasks.

The compact trolley houses the camera control unit and monitor as well as all the cabling, interface poles and trolley mounted Zoom, Rotate & Tilt (ZRAT) colour camera.

The high resolution ZRAT colour camera provides excellent video quality and comes with simple electrical and mechanical controls. It has built-in variable intensity LED lighting which can be adjusted directly from the control unit by the operator.

The camera uses the latest super HAD CCD technology to give excellent light sensitivity and image definition while the powerful 40:1 magnification is ideal for stand-off inspections. The innovative rotate and tilt mechanism allows the camera to rotate through 360° whilst allowing 180° of tilt movement. This enables the camera to be used in a restricted space or multi-role environment where the camera must address a number of tasks. The camera is extremely rugged, it features an anti-scratch guard and can be used underwater if necessary.

The OE16-312/313 is also compatible with other Kongsberg Industrial CCTV Portable Video Inspection Systems and compact camera heads.

### System Trolley Features

Dimensions	735 (L) x 470 (W) x 850 (H)
Monitor	200mm Diagonal Flat Screen TFT
Mains Cable	110/240v x 15 metres (standard)
Camera Umbilical Cable	Ruggedised NC17 x 10 metres (standard)
	Cable lengths can be customer specific
Controls	Camera Zoom, Focus, Rotate & Tilt. (inc speed) LED Brightness and Power
Weight	31Kg

Compatible for use with other Kongsberg Industrial CCTV Portable Video Inspection Systems and compact camera heads

### Standard Features

#### Electrical

Horizontal Resolution	440 TV Lines
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Scene Illumination	0.2 Lux
Sensor Type	1/4" Super HAD
Signal to Noise	> 48dB weighted (AGC off)
Scanning	625 Line /50Hz CCIR
Power Input	Constant Voltage 16V-24V dc 400mA (max)
Video Output	1.0V Pk-Pk composite video into 75Ω
Electro-Magnetic Compatibility	EN50081-1 Emission / EN50082-1 Immunity

#### Environmental

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
Water Depth	30 metres (camera)

#### Optical

Standard Lens	4.2mm to 42mm, F1.8 – F2.9
Iris Control	Automatic
Focus Control	70mm to infinity (wide angle) 820mm to infinity (narrow angle)
Angle of View	Diagonal: 56° (Wide), 5.7° (Tele) Horizontal: 46° (Wide) 4.6° (Tele) Vertical: 35° (Wide) 3.45° (Tele)
Range of Movement	Rotate: 360°, Tilt: 180°

#### Mechanical

Camera Diameter	123mm (main body)
Camera Length	106mm (excl. connector)
Camera Weight	1.4 Kg
Housing Material	Aluminium alloy
Connector	Stainless Steel Burton 5506-1508



**KONGSBERG**

**tel:** +44 (0)1224 226500  
**fax:** +44 (0)1224 226501  
**email:** km.camsales.uk@kongsberg.com  
**web:** www.km.kongsberg.com/cameras