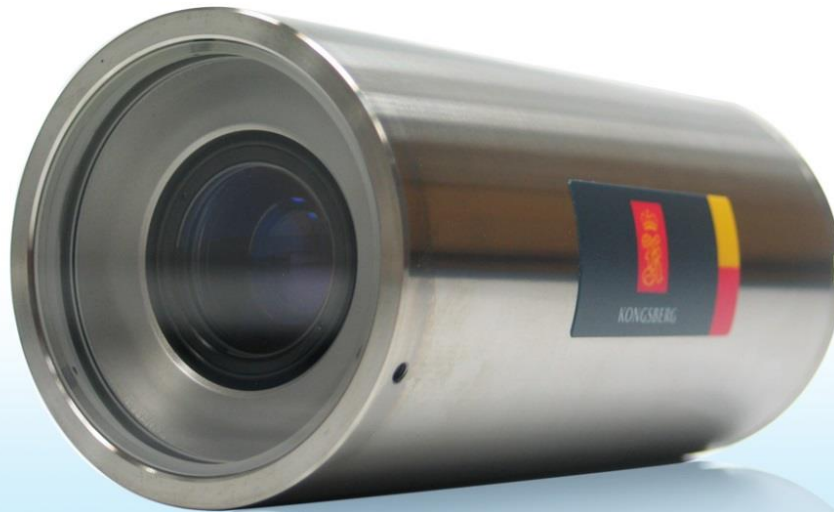


# OE14-366a/367a



KONGSBERG



May 2017

## UNDERWATER COLOR ZOOM CAMERA

- **18:1 zoom lens**
- **460TVL/H resolution**
- **Addressable serial control**

The Kongsberg Maritime OE14-366a (PAL) (OE14-367a (NTSC)) Color Zoom Camera is our industry standard ROV inspection camera. This camera uses the latest super HAD CCD technology to give improved light sensitivity and image definition. The standard depth rating is 4,500 msw.

When using digital control, the built-in field memory allows slower shutter speeds, a 'snapshot' capability and text insertion. The camera can also be given an ID number together with Time and Date.

An optical zoom lens provides a close-up inspection capability combined with the flexibility of an 18x magnification for powerful stand off inspections.

The unique Kongsberg Maritime IR remote control allows long line drive and camera control set-up. Camera control can be single wire (tri-state) two wire (bi-polar) and RS485. RS232 is available as a factory set option.

It is possible to set the white balance to 3,200K, 5,800K or to auto tracking and back light compensation can be switched on or off using the remote control.

The inclusive Kongsberg Maritime Graphical User Interface provides the control of extensive camera functionality via the serial link. An addressable feature has been included allowing control of more than one camera over the same serial control line.

### Applications

- **High Resolution Inspection**
- **Long Range Viewing**

# TECHNICAL SPECIFICATIONS

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## Performance

Horizontal Resolution	460 TVL/PH
Light Sensitivity	100 mV video at $19 \times 10^{-3}$ lux faceplate 350 mV video at $210 \times 10^{-3}$ lux faceplate
Minimum Scene Illumination	1.7 lux
Signal to Noise Ratio	>48 dB (weighted)

## Electrical

Scan Standard	625 lines 50Hz PAL (OE14-366a) 525 lines 60Hz NTSC (OE14-367a)
Sensor Elements	752 (H) x 582 (V) (OE14-366a) 768 (H) x 494 (V) (OE14-367a)
Video Output	1V pk - pk composite video into $75\Omega$
Power Input	16V - 24V dc, 470mA (max)
Control	Single wire (tri-state), two wire (bi-polar), RS232, RS485

## Optical

Lens	4.1mm to 73.8mm, F1.4 to F3 18x Optical Zoom
AOV in water	Horizontal: $48^\circ$ Vertical: $34^\circ$ Diagonal: $61^\circ$
Iris Control	Automatic (manual control available through GUI)
Focus Range	70mm to infinity (at wide angle), 620mm to infinity (at narrow angle)

## Mechanical

Dimensions	Diameter: 88mm Length: 210mm (excl. connector)
Weight	In air 2.6Kg, in water 1.44Kg
Housing Material	Titanium Alloy, 6AL/4V ASTM B3 48
Connector	Customer specified

## Environmental

Operating Depth	4,500 msw (other depth rated housing options are available)
Temperature	Operating: $-5$ to $40^\circ\text{C}$ , Storage: $-20$ to $60^\circ\text{C}$
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150Hz on all three axes
Electromagnetic Compatibility	BS EN 61000-6-3: 2001 Emission and BS EN 61000-6-1: 2001 Immunity

## Features

White Balance	Auto, 3,200K, 5,800K selectable through GUI or IR remote
Back Light Compensation	Switch on and off using the GUI or IR remote Long line drive, over voltage and reverse polarity protection

*Specifications subject to change without any further notice*

oe14366A\_Datasheet\_US / Rev.C

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