

# 0500-6000



KONGSBERG



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## HIGH DEFINITION IP ZOOM SUBSEA CAMERA

- **HDTV 1080p network camera**
- **2MP H.264/Motion JPEG**
- **Optional POE (Power Over Ethernet) function**
- **3<sup>rd</sup> party Video Management Software (VMS) compatible**
- **18x optical zoom, 12x digital zoom**

The Kongsberg Maritime 0500-6000 High Definition IP Zoom Subsea Camera is a cost effective, fixed, Internet Protocol (IP) underwater camera designed for use in remote site applications such as Renewable Energy Platforms, Environmental Monitoring Hubs, Port & Harbour Security and Fishery Research. The camera has been designed to work across existing network infrastructures so the operator can log and view the images from any PC hosting the communication software.

The camera also has an integrated IR LED illumination which provides an extra light source when being used in wet/dry applications such as Anchor Bolster monitoring or Pipe Laying operations

The 0500-6000 utilises an industry leading HDTV sensor and supports H.264 and Motion JPEG in full frame rate with variable frame rate and bandwidth control. The camera also benefits from a 18x optical zoom with an additional 12x digital zoom capability.

There is also an optional PoE (Power over Ethernet) function available allowing the camera to be powered through the Ethernet.

The standard anodised aluminium housing provides effective protection from corrosion and is pressure rated up to 1,000 msw. A titanium housing option is also available.

### Applications

- Remote Installations
- Fish Farms
- Environment Monitoring
- Anchor Bolster TV
- Renewable Energy Platforms
- Pipe Laying Stinger Systems

## TECHNICAL SPECIFICATIONS

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### Camera

Image Sensor Type	Progressive scan RGB CMOS 1/2.9"
Scene Illumination (Minimum)	Colour: 0.5 lux at 30 IRE F1.6 B/W: 0.04 lux at 30 IRE F1.6 (0 lux with IR illumination on)
IR Illumination	Long-life 850 nm IR LED's with adjustable angle of illumination and intensity. Range of reach up to 15 m (50 ft) in wide field of view and up to 40 m (130 ft) in full tele view
Standard Lens	4.7–84.6 mm: 59° to 4° HFOV in air, 43.1° to 2.9° HFOV in water, F1.6–2.8, Autofocus, Automatic day/night
Shutter Time	1/28000 s to 2 s
Zoom	18x optical zoom and 12x digital zoom
Power	Power over Ethernet IEEE 802.3af; max. 12.95 W, 8-28 V DC max 15.2 W, 20-24 V AC max. 22.0 VA or 24v DC

### Video

Resolution	1920x1080 (HDTV 1080p) to 320x180
Video Compression	H.264 Mainline and Baseline Profiles (MPEG-4 Part 10/AVC) Motion JPEG
Frame Rate	H.264/Motion JPEG: Up to 25/30 fps (50/60 Hz) in all resolutions
Video Streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264

### Mechanical

Diameter	120mm
Length	323mm (incl. connector)
Weight	6.2Kg in Air, 3.6Kg in Water
Standard Housing	Anodised Aluminium
Connector	SubConn DIL13F
Serial Communications	2-wire RS485 communications for Pan and Tilt using Pelco D protocol
Dessicant	5 years

### Environmental

Water Depth	1,000 msw
Temperature	Operating: -0°C to +45°C In Water
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

Specifications subject to change without any further notice

05006000\_Datasheet\_A4 / Rev.A

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