

Integrated diver inspection system

idis-4000/1



- Digital video recording to flash memory
- GPS position overlay
- Variable output camera LED light

The IDIS-4000/1 (PAL/NTSC) is a rugged, compact underwater video inspection system for diver operation. The system comes complete with either 100 or 150 metre umbilical cable, 5mm in diameter.

A GPS system is included which overlays the position of the surface control unit on video.

The high resolution camera is complete with 12 white LEDs with their brightness manually controlled on the surface.

A built in flash disk recorder allows high quality colour inspection video to be recorded digitally and played back on the system's built in flat panel display screen. Video is recorded to a flash memory card allowing for easy transfer to PC for viewing or storage.

Power is provided either by a high capacity rechargeable internal battery or from a 100 to 240V ac mains adaptor.

The underwater cable assembly is capable of supporting the full weight of the camera head assembly.

Standard Features**System**

Power	100 to 240V ac, 50/60Hz
	Integral battery 5 Ampere hour 12V
LCD Display	5.6" – 960 x 480 pixels
Video Standard	Composite PAL or NTSC
Recording	Digital Memory Card 1Gb as standard
Record Duration	80 minutes at 640 x 480 resolution

Camera

Horizontal Resolution	560 TV Lines/PH PAL 570 TV Lines/PH NTSC
Scene Illumination	0.2 Lux
Sensor Type	1/3" Sony HAD (HQ)
Signal to Noise Ratio	>50dB weighted
Angle of View	52° diagonal in water
Focus	Fixed (30cm to infinity)
Scanning	625 Line / 50 Hz PAL 525 Line / 60 Hz NTSC
Video Output	1.0V Pk - Pk composite video into 75 Ω
Integral Lamp	Luxeon™ LED
Lighting Range	3 metres in clear water
Diameter	40mm
Length	62mm (excl. connector)
Weight	250g in air, 150g in water
Depth	100 metres

Umbilical Cable

Cable	5mm diameter, 100m standard length (option of 150m max). Polyurethane outer jacket with Kevlar strength member
-------	---

Environmental

Case Sealing	IP67 when closed, IP64 when open
Temperature Range	Operating -5°C to +40°C Storage -20°C to +60°C

Mechanical

Dimensions	280mm (H) x 460mm (W) x 380mm (D)
Weight	15.0Kg (with 100m umbilical cable)

**KONGSBERG**

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