

## Integrated video inspection system

ivis-7080s



- Digital video recording to flash memory
- Depth and temperature overlay on video
- Forward and side view video modules

The IVIS-7080s is a rugged, compact underwater video inspection drop or diver operated system complete with a high definition horizontal viewing camera module with variable speed 360° automatic or manual rotate capability.

A unique lens position indicator is also incorporated.

There is also a high definition forward looking camera module, the video from which can be toggled in and out as required by use of the remote control.

Variable LED lighting is incorporated on both cameras.

Depth and temperature sensors are incorporated in the camera head and their outputs, which can be toggled between imperial and metric, displayed on video.

As an option the system allows high quality colour inspection video and audio input to be recorded digitally and played back on the built-in 8" flat panel display screen. Video and audio are recorded to a flash memory card allowing for easy transfer to PC for viewing or storage.

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

Stabilizing fins are provided for easy attachment to the camera housing or alternatively, a tripod stainless steel leg assembly can be fitted. The under water cable assembly is capable of supporting the full weight of the camera head assembly.

### Standard Features

#### System

Power	100 to 240 VAC 50/60Hz
	Integral Battery 7 Ampere hour 12V
Wired Remote Control	Camera toggle, Lamp intensity, Rotate speed, manual and auto select, display mode
IR Remote Control	Memory Card Recorder Functions
LCD Display	8" - 800x480 pixels wide screen format
Video Standard	Composite PAL or NTSC
Recording	Digital Memory card 1Gb as standard
Record Duration	80 minutes at 640x480 resolution

#### Cameras 1 and 2

Horizontal Resolution	460 TV Lines/PH PAL 470 TV Lines/PH NTSC
Scene Illumination	1 Lux
Sensor Type	1/3" interline transfer CCD
Signal to Noise Ratio	>48dB weighted
Angle of View	52° diagonal in water (360° with rotate)
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 75Ω
Pan Speed	Variable 10°/sec, 14°/sec and 28°/sec
Integral Lamp	Luxeon™ LED
Lighting Range	3 metres in clear water
Diameter	80mm
Length	195mm (excl. connector)
Depth	100 metres

#### Sensors

Depth	0 to 100 metres (±1 metre)
Temperature	-5 to +40°C (±2°C)

#### Umbilical Cable

Cable	5mm diameter, 37 metre standard length (option up to 150 metre max). Polyurethane outer jacket with Kevlar strength member
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#### 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	200mm (H) x 500mm (W) x 330mm (D)
Weight	15Kg with 37m umbilical cable



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