

Diver Video Inspection System

MODEL **BP-DVIS-2** *Diver Video Inspection System*

- **HIGH RESOLUTION**
- **COLOUR OR MONOCHROME VIDEO CAMERA**
- **LOW LIGHT SENSITIVITY**
- **UNDERWATER LAMP**
- **SMALL SIZE**
- **LOW COST**
- **12VDC OR 110 VAC**
- **DIVER AUDIO RECORDING**
- **VIDEO OVERLAY OPTION**
- **MARINE GRADE TRANSPORT CONTAINER**



The Bowtech *BP-DVIS-2, Diver Video Inspection System* is the second edition of this system. The improved system is now smaller and therefore more portable. The control station is for the operation, viewing and recording of underwater colour or monochrome video cameras together with intensity control of underwater lamp.

The control station is housed in a marine grade transport container manufactured from high quality splashproof material.

The system can be powered from 110 VAC mains or from a local 12VDC battery pack.

The basic system includes a colour monitor, 6 head VCR and the transport case. The system is available with the following options:

- BP-L3C-2 Colour Camera
- BP-LCC-2 Monochrome Camera
- Underwater Lamp,
- Diver Pistol Grip
- Helmet Mounting kit,
- Umbilical
- Video overlay
- Cable Reeler



Pistol Grip with camera & lamp

TECHNICAL SPECIFICATIONS DIVER VIDEO INSPECTION SYSTEM

ELECTRICAL

Power 110 VAC input 15 amps

ENVIRONMENTAL

Temperature (Storage) -30° C ~ +70° C
Temperature (Operating) -10° C ~ +40° C

MECHANICAL

Width 50cm Depth 43.5cm Height 41.1cm Weight 27 kg

Miniature Colour Camera

ELECTRICAL

Resolution, Horizontal 350 TV Lines
Limiting Light Sensitivity 3 lux (scene)
Sensor Type 1/4" CCD
Sensor elements 542 (H) X 587 (V) NTSC
Signal to Noise Ratio >46dB (AGC off)
Scanning 525 Line 60Hz NTSC

Power 110 VAC
Current 200ma maximum
Composite Video Output 1.0V pk-pk

ENVIRONMENTAL

Water Depth 4000 meters
Temperature (Storage) -30° C ~ +70° C
Temperature (Operating) -10° C ~ +40° C

OPTICAL

Lens 2.5mm f2.0
Iris Electronic Shutter 1/60th ~ 100,000th sec.
Focus Fixed 100mm ~ Infinity
Angle of View (in water) 60° Diagonal
Window Acrylic

MECHANICAL

Maximum Diameter 31mm (1.2")
Length 100.2mm (3.9") Ex. Connector
Weight in Air 266 grams
Weight in Water 149 grams
Standard Housing Titanium
Standard Connector WETCON BH-4-MP

Miniature Monochrome Camer

ELECTRICAL

Horizontal Resolution 380 TV Lines
Limiting Light Sensitivity 0.8 lux (scene)
Sensor Type 1/4" CCD
Sensor Elements 537 (H) X 597 (V) CCIR
Signal to Noise Ratio >46dB (AGC off)
Scanning 625 Line 50Hz CCIR
525 Line 60Hz EIA

Power 12VDC to 24VDC
Current 100ma maximum
Composite Video Output 1.0V pk-pk

ENVIRONMENTAL

Water Depth 4000 meters
Temperature (Storage) -30° C ~ +70° C
Temperature (Operating) -10° C ~ +40° C

OPTICAL

Lens 2.5mm f2.0
Iris Electronic Shutter 1/50th ~ 100,000th sec.
Focus Fixed 100mm ~ Infinity
Angle of View (in water) 60° Diagonal
Window Acrylic

MECHANICAL

Maximum Diameter 31mm (1.2")
Length 100.20mm (3.9") Ex.Connector
Weight in Air 266 grams
Weight in Water 149 grams
Standard Housing Titanium
Standard Connector WETCON BH-4-MP



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