

VP500

V I D E O P R O B E[®]

Entry-Level Video Borescope with Image Capture

The VideoProbe 500 system combines portability, durability and image capture capability coupled with the latest imaging technology to provide high-quality, high-resolution images with the clarity needed for making smart decisions fast. Vivid, magnified images reveal the slightest, detailed defects for precise, accurate inspections. The camera head is designed to provide greater durability and protection in the most demanding inspection environments. No more fumbling with proximal cameras, cables, and monitors. The system's integrated camera and LCD monitor make it easy to operate, while delivering over 10 times the resolution of conventional fiberscopes. Simply remove from shipping case, plug in, and it's ready to inspect.



Chain Sprocket Assembly



Turbine Fan Blade



Shipping Case

Features and Benefits

- High-resolution camera delivers sharp, clear video images
- High-resolution LCD integrated into hand-piece for ergonomic, detailed viewing
- Instant cableless setup promotes a faster, easier start to your inspections
- Automatic "HOME" tip centering offers easy navigation
- Durable bending neck design improves wear resistance
- Interchangeable tip optics perform in a wide range of applications
- "LOCK" mode electronic brake holds accurate camera head position
- All-Way[®] tip articulation delivers unmatched camera orientation control
- Insertion tube provides water resistance up to 14.7 psi.
- CompactFlash[®], Type 1 accepts all memory sizes.
- Includes 64MB internal flash memory

APPLICATIONS

- Aircraft Engines and Airframes
- Gas Turbines
- Small Diameter Pipes
- Vehicle Inspections
- Security/Law Enforcement
- Manufacturing and Quality Assurance
- Heat Exchangers
- Process Piping
- Weld Inspections

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Capitale sociale 110000 euro i.v.

certificazioni e associazioni



Member of CSQ Federation
RINA
ISO 9001:2000
Certified Quality System

SOCIO **UNI**



ITALIAN
ASSOCIATION
FOR
TRENCHLESS
TECHNOLOGY



Associazione
Unione
Industriali
Napoli



socio AIPnD

Technical Specifications

System

Power Requirement: AC: 100-240V 50-400Hz Nominal; min 90V, max 250V
DC: 12V Nominal; min 11V, max 14V, max 10A
Video Output: S-Video & Composite, NTSC or PAL
Weight: In Case – 13.1 kg (30.2 lbs.)
Without Case – 7.7 kg (17.0 lbs.)
Case Dimensions: 65.5 x 22.9 x 50.8 cm (25.0 x 9.0 x 20.0 in.)

Processor/Light Source

Dimensions: 27.9 W x 29.5 D x 14.0 H cm (11.0 x 11.6 x 5.5 in.)
Weight: 5.4 kg (12.0 lbs.)
Construction: Aluminum chassis with polyurethane bumpers
Processor: 32 bit Pentium®-class embedded computer
Brightness Control: Automatic and Variable
Lamp Type: 50 W Metal-Halide Arc
Lamp Output: 2600 lumens at 5885K
Lamp Life: 1000 hrs., median
Keyboard Input: PS/2 style keyboard connector
Audio Speaker: Built-in front panel speaker with volume control knob
Audio Out Jack: RCA style connector, line-level audio out
Video Out: S-Video and Composite BNC

Camera

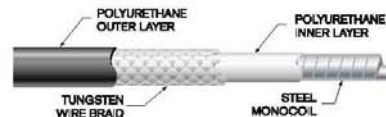
Type: 1/6 in. Color Super HAD™ CCD Camera
Resolution*: 380,000 pixels NTSC, 440,000 pixels PAL
White Balance: Factory Set
Gain: Auto
Shutter Speed: Electronic automatic from 1/60 sec to 1/10,000 sec
Housing: 5.0 mm and 6.1 mm – Titanium
8.4 mm – Stainless Steel

Hand-Piece

Construction: ABS with integrated Santoprene® bumpers
Dimensions: 30.5 x 14.7 x 12.7 cm (12.0 x 5.8 x 5.0 in.)
Weight: 2.3 kg (5 lbs.)
LCD Monitor: 12.7 cm (5.0 in.) active matrix TFT color LCD
Joystick Control: One-finger activated 360° All-Way® tip articulation
Button Control: LCD brightness, invert, zoom, articulation lock, and "HOME"

Insertion Tube

Diameters/Lengths: 5.0 mm x 1.5 m (0.20 in. x 4.9 ft.)
6.1 mm x 2.0 m (0.24 in. x 6.6 ft.)
8.4 mm x 3.0 m (0.33 in. x 9.8 ft.)
8.4 mm x 7.5 m (0.33 in. x 25 ft.)
Construction: Durable tungsten braid over stainless steel monocoil with polyurethane sealant



Articulation:

LENGTH	STRAIGHT TUBE
3.0 m and LESS	Up/Down–140° min, Left/Right–140° min
7.5 m	Up/Down–110° min, Left/Right–110° min

Note: Typical articulation exceeds minimum specifications

Operating Environment

System: -20° to 46°C (-4° to 115°F)
LCD requires warm-up period below 0°C (32°F)
Camera Head: -25° to 80°C (-13° to 176°F)
Reduced articulation below 0°C (32°F)
Storage Temperature: -25° to 60°C (-13° to 140°F)
Relative Humidity: 95% maximum
Waterproof: Insertion tube and tip to 14.7 psi (1 bar)
(Equivalent to water depth of 10.3 m (33.9 ft.)
Environment: Not rated for use in hazardous environment

Accessories

- Rigidizers
- Tube Grippers
- Interchangeable Tip Optics
- External Retrieval Tools
- Magic Arm Kit
- Spare Lamp
- PowerBar™ 12V Battery Set

Models

Model Number	Diameter	Length
VPD515A SYS	5.0 mm (0.20 in.)	1.5 m (4.9 ft.)
VPD515A PALSYS	5.0 mm (0.20 in.)	1.5 m (4.9 ft.)
VPD620A SYS	6.1 mm (0.24 in.)	2.0 m (6.6 ft.)
VPD620A PALSYS	6.1 mm (0.24 in.)	2.0 m (6.6 ft.)
VPD830A SYS	8.4 mm (0.33 in.)	3.0 m (9.8 ft.)
VPD830A PALSYS	8.4 mm (0.33 in.)	3.0 m (9.8 ft.)
VPD875A SYS	8.4 mm (0.33 in.)	7.5 m (25.0 ft.)
VPD875A PALSYS	8.4 mm (0.33 in.)	7.5 m (25.0 ft.)

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