

All-in-One Handheld LCD- DVR Videoscope

All PBHH Series Videoscopes are CCD chip in-the-tip systems (Superior Imaging compared to CMOS chips) with the latest chip technology Sony offers. Hassle free to use includes a choice of an articulated 4mm, 5mm, 6mm or 8mm insertion probe and a 360 Degree Rotatable LCD display integrated in the handle with digital video recording (DVR) saved to SD Card, Lithium Ion rechargeable battery, and high intensity LED Light source and packed in a rugged storage case.



The standard package includes the following features:

- **Totally handheld, Integrated design, no cables or connecting devices**
- **360 Degree adjustable TFT LCD Screen with sun shield**
- **Rechargeable, Removable, Long Lasting Lithium Ion Battery and charger**
- **Interchangeable Tips available with easy focal adjustment**
- **Splash proof membrane keypad, sealed and water proofed.**
- **Video input and output ports**
- **Integrated High Lux output LED Lighting (No external light source needed)**
- **Record Video or Still Photos**
- **Unlimited Memory with SD Card Flash memory cards**
- **Weights only 2.97lbs**
- **Rugged impact resistant heavy duty carrying case.**

PACIFIC BORESCOPES

(805) 520-8200



PB-HH VIDEOSCOPE/DISPLAY TECHNICAL SPECIFICATIONS

CCD Chip:	Sony™ SuperHad, High Resolution
Controller Adjustments:	Real-time operating system with on-screen menus and direct control buttons, Auto or Manual exposure control, White Balance, AGC and Gamma adjustable, digital zoom 3.5x, image flip, brightness, contrast, color, text overlay generator,
Insertion Tube Diameter:	4mm (0.159"), 5mm (0.197"), 6mm (0.236"), 8mm (0.315")
Insertion Tube Lengths:	1.5 Meter (4.9 Ft.) - 7.5. Meters (24.6 Ft.)
Insertion Tube Articulation:	4 Way Articulation
Articulation Range:	Varies per model, see below
Lens Field of View:	28°- 90° Degrees depending on lens- see chart
Lens Depth of Field:	Varies with adjustment and application
Direction of View:	0° Straight ahead or Optional 90° Side View Prism
Display Dimensions:	LCD Monitor 3.5" TFT,
Weight:	2.9 lbs with DC Battery power
Light Source:	High Lux Super Bright White LED technology, 6500K
Intensity Control:	3 Steps user controllable
Video Output:	NTSC or PAL
AC Input Voltage:	100V – 240V AC, 50-60 Hz
DC Input Voltage:	12 VDC
Video I/O Connector:	Composite Video RCA
Data Storage Device:	SD-HC Memory Cards up to 32 GB
Video and Photo Formats:	BMP, AVI
Languages:	English, Spanish, French, Italian, German
Case:	Lightweight Alloy, IP53 protection class
Display Temperature:	-10° - 45° C, (14° - 115° F)
Storage Temperature:	5° - 45° C, (41° - 113° F)
Insertion Probe Temperature Range	-10° - 80° C, (14° - 176° F)
Pressure Range	1-1.3 atm in air, 1 Bar, up to 15 P.S.I.
Liquids Compatible:	Water, synthetic and mineral lubricating oil and hydraulic fluids (Skydrol incompatible); gasoline, diesel and jet fuel.

PBHH VIDEOSCOPE Insertion Probe Selection

Model	Diameter	Length	Articulation
4mm x 4 Way Articulation			
HHV-4-15	4 mm (0.159")	1.5 Meters (4.9 Ft.)	+/- 100° all directions
HHV-4-20	4 mm (0.159")	2.0 Meters (6.6 Ft.)	+/- 100° all directions
HHV-4-30	4 mm (0.159")	3.0 Meters (9.8 Ft.)	+/- 100° all directions
HHV-4-40	4 mm (0.159")	4.0 Meters (13.2 Ft.)	+/- 100° all directions
5mm x 4 Way Articulation			
HHV-5-15	5 mm (0.197")	1.5 Meters (4.9 Ft.)	+/- 100° all directions
HHV-5-20	5 mm (0.197")	2.0 Meters (6.6 Ft.)	+/- 100° all directions
HHV-5-30	5 mm (0.197")	3.0 Meters (9.8 Ft.)	+/- 100° all directions
HHV-5-40	5 mm (0.197")	4.0 Meters (13.2 Ft.)	+/- 100° all directions
6mm x 4 Way Articulation			
HHV-6-15	6 mm (0.236")	1.5 Meters (4.9 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-20	6 mm (0.236")	2.0 Meters (6.6 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-30	6 mm (0.236")	3.0 Meters (9.8 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-40	6 mm (0.236")	4.0 Meters (13.2 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-50	6 mm (0.236")	5.0 Meters (16.4 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-60	6 mm (0.236")	6.0 Meters (19.7 Ft.)	160° Up 130° Down 100° Left / Right
HHV-6-75	6 mm (0.236")	7.5 Meters (24.6 Ft.)	160° Up 130° Down 100° Left / Right
8mm x 4 Way Articulation			
HHV-8-15	8 mm (0.315")	1.5 Meters (4.9 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-20	8 mm (0.315")	2.0 Meters (6.6 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-30	8 mm (0.315")	3.0 Meters (9.8 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-40	8 mm (0.315")	4.0 Meters (13.2 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-50	8 mm (0.315")	5.0 Meters (16.4 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-60	8 mm (0.315")	6.0 Meters (19.7 Ft.)	160° Up 130° Down 100° Left / Right
HHV-8-75	8 mm (0.315")	7.5 Meters (24.6 Ft.)	160° Up 130° Down 100° Left / Right

