

AIV Professional Videoscope Systems

All AIV Videoscopes consist of either a 4mm, 6mm or 8mm insertion probe and choice of display options- shown below is our professional imaging hub. The Imaging hub includes high intensity Metal Halide light source, image storage to compact flash card, Flip-Top TFT 7" LCD Display.



The Imaging Display hub shown above has the following features:

- Carrying Handle
- Fold-up/down LCD Screen
- AC/DC Power
- Splashproof membrane keypad
- Video input and output ports
- 24 Watt Metal Halide Light Source
- USB Port
- Unlimited Memory with Compact Flash Storage
- Audio Output

Note: For more economically priced solutions- we offer additional viewing options other than the above shown Imaging Display Hub. All Videoscopes are wired for instant plug and play connectivity for direct output to your computer, DVD recorder, DC operated miniature VCR/video tape and digital image capture, shoulder-waiststrap/handheld LCD battery operated monitors, CRT monitors, etc. This CCD chip in-the-tip system is the most cost effective, simple to use, inexpensive and flexible unit available on the market today.



AIV Professional System shown with optional heavy duty storm case with wheels

AIV VIDEOSCOPE/DISPLAY TECHNICAL SPECIFICATIONS

CCD Chip:	4mm, 1/10" 6mm: 1/6" Color 8mm: 1/4"
CCD Pixel Count:	6mm NTSC: 380,000 PAL: 440,000 8mm NTSC: 250,000 PAL: 290,000
Insertion Tube Diameter:	4mm (0.159"), 6mm (0.236") or 8mm (0.315")
Insertion Tube Lengths:	1.0 Meter (39") - 15.0 Meters (49.2 Ft.)
Insertion Tube Articulation:	Fixed, 2 Way and 4 Way Articulation
Articulation Range:	Varies per model, see below
Lens Field of View:	58 Degrees and 90 Degrees
Lens Depth of Field:	Varies with adjustment and application
Direction of View:	0 Degree- Straight ahead or Optional 90 Degree Side View Prism Available
Dimensions:	LCD Monitor 6.8" Diagonal, 5.1" W x 3.8"H Imaging Hub 11.0" x 10.6" x 3.5"
Weight:	4.8 lbs with AC Power
Light Source:	24 Watt Metal Halide Arc Lamp
Intensity Control:	Manual Shutter
Video Output:	NTSC or PAL
AC Input Voltage:	100V – 240V AC, 50-60 Hz
DC Input Voltage:	12 VDC
Video I/O Connector:	RCA
Audio Input:	Mini Plug

Audio Output:	RCA Jack
Data Storage Device:	Compact Flash Card, Type 1
Video and Photo Formats:	BMP, TIFF, AVI
Audio Format:	WAV
Computer Interface:	USB
DC Battery Belt- extended	Optional: 12VDC, 4.75 lb, 140 Min. Oper.time (NiMh)
Image Hub/Display Temperature Range:	0° - 32° C, (32° - 113° 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.

AIV VIDEOSCOPE Insertion Probe Selection

Model	Diameter	Length	Articulation
4mm x 2 Way Articulation			
AV2-4-15	4 mm (0.159")	1.5 Meters (4.9 Ft.)	+/- 120°
AV2-4-20	4 mm (0.159")	2.0 Meters (6.6 Ft.)	+/- 120°
AV2-4-30	4 mm (0.159")	3.0 Meters (9.8 Ft.)	+/- 120°
6mm x 4 Way Articulation			
AV4-6-15	6 mm (0.236")	1.5 Meters (4.9 Ft.)	160° Up 130° Down 100° Left / Right
AV4-6-20	6 mm (0.236")	2.0 Meters (6.6 Ft.)	160° Up 130° Down 100° Left / Right
AV4-6-30	6 mm (0.236")	3.0 Meters (9.8 Ft.)	160° Up 130° Down 100° Left / Right
AV4-6-60	6 mm (0.236")	6.0 Meters (19.7 Ft.)	160° Up 130° Down 100° Left / Right
AV4-6-75	6 mm (0.236")	7.5 Meters (24.6 Ft.)	90° Up/ Down/ Left/Right
6mm Fixed			
AVX-6-60	6 mm (0.236")	6.0 Meters (19.7 Ft.)	Fixed
AVX-6-80	6 mm (0.236")	8.0 Meters (26.3 Ft.)	Fixed
AVX-6-120	6 mm (0.236")	12.0 Meters (39.4 Ft.)	Fixed
AVX-6-150	6 mm (0.236")	15.0 Meters (49.2 Ft.)	Fixed
8mm x 2 Way Articulation			
AV2-8-10	8 mm (0.315")	1.0 Meter (39")	+/- 180°
8mm x 4 Way Articulation			
AV4-8-15	8 mm (0.315")	1.5 Meters (4.9 Ft.)	160° Up 130° Down 100° Left / Right
AV4-8-20	8 mm (0.315")	2.0 Meters (6.6 Ft.)	160° Up 130° Down 100° Left / Right
AV4-8-30	8 mm (0.315")	3.0 Meters (9.8 Ft.)	160° Up 130° Down 100° Left / Right
AV4-8-50	8 mm (0.315")	5.0 Meters (16.4 Ft.)	160° Up 130° Down 100° Left / Right
AV4-8-60	8 mm (0.315")	6.0 Meters (19.7 Ft.)	160° Up 130° Down 100° Left / Right
8mm Fixed			
AVX-8-60	8 mm (0.315")	6.0 Meters (19.7 Ft.)	Fixed
AVX-8-80	8 mm (0.315")	8.0 Meters (26.3 Ft.)	Fixed
AVX-8-120	8 mm (0.315")	12.0 Meters (39.4 Ft.)	Fixed
AVX-8-150	8 mm (0.315")	15.0 Meters (49.2 Ft.)	Fixed