HDV600 Series High Definition VideoScope Inspection Cameras



Narrow diameter cameras with 5.7" High Definition Color LCD Monitor deliver high image and video resolution on large color display

- The HDV600 Series VideoScope has various camera probes to fit your application needs. Choose from a range of sizes with articulating or wireless features.
- 5.7" color LCD TFT — high definition 640x480 pixels resolution
- Waterproof (IP67) meter and camera head (IP57) with cable
- Bright white LED lamps with dimmer to illuminate viewed object
- Glare-free close-up field of view and 6" (15.2 cm) minimum focus distance
- SD memory card included for storing images
- Video recording (up to 4 hours) with Voice annotation
- Video and images can be transferred via the SD card, USB output or AV out
- An optional wireless transmitter (HDV-WTX) connects to your camera cable and allows you to transmit video up to 100 ft (30 m)
- VideoScope 2-year warranty; Camera Probes 6-month warranty
- Complete with SD memory card, 3.7 V rechargeable Li-Polymer battery, AC adaptor, USB and AV cables, camera with cable, and case



Camera Tip features built-in LED lights



HDV-WTX Wireless Transmitter allows measurements up to 100 ft (30 m) away

Model HDV610

- VideoScope with 5.5 mm diameter camera head (1 m flexible cable)

MODEL HDV620

- VideoScope with 5.8 mm diameter camera head (1 m semi-rigid cable retains configured shape)

Model HDV640 & HDV640W

- VideoScope with 6 mm diameter camera head (1 m semi-rigid cable retains configured shape)
- Easy knob control of the articulating camera tip facilitates viewing in obstructed areas where standard camera tips cannot access.
- 240° camera probe rotation (from straight position, 120° left and 120° right)

MODEL HDV640W

- Built-in wireless transmitter in camera cable controller allows you to transmit video up to 100 ft (30 m) from the measurement point to your monitor

HDV650 Series — High Definition Plumbing VideoScope Inspection Cameras

Plumbing VideoScope Kits utilized the HDV600 color LCD monitor. From drains to pipe runs, these kits reveal problems with its large, waterproof, rugged, high definition color display and a 10 m or 30 m snake with 25 mm diameter camera head. Built-in bright lights help illuminate the problem area deep within the pipe runs. The camera probe is rugged enough to dislodge small clogs. Ideal for inspecting P-traps, 90s, drains, pipe runs, sewers, vent stacks and more. Available in a wireless kit that allows you to transmit video up to 100 ft (30 m) from the measurement point to your monitor.



HDV650 Kits:

- **HDV650-10G** includes HDV600 and 10 m fiberglass cable spool assembly
- **HDV650W-10G** includes HDV600, 10 m fiberglass cable spool assembly and wireless transmitter
- **HDV650-30G** includes HDV600 and 30 m fiberglass cable spool assembly
- **HDV650W-30G** includes HDV600, 30 m fiberglass cable spool assembly and wireless transmitter

CALIBRATION TRACEABLE TO NIST

N Indicates products that are available with optional calibration traceable to NIST. See pages 146-147 for a complete listing.



Articulating (6 mm diameter) camera tip adjusts up to 240° viewing angle.

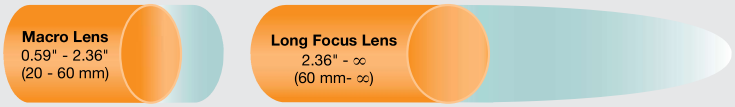


Drop-proof and Waterproof housing meets IP67 standards.

Watch the Video
www.extech.com/video



Macro (Short Focal Length) Lenses permit you to examine features and attributes that are up-close to the optical camera tip as illustrated above. **Long Focus Lenses** permit you to see further in confined areas.



Unlimited Inspection Uses:

Home: Mold, insect infestation, electrical wire or plumbing

HVAC: Ducts, motors, compressors, air movers, and chillers

Automotive: Engines, transmissions, motors, electronics

Government: Safety and security

Industrial: Welding, process equipment, gears, molding machines

Aerospace: Aircraft, debris, cracks or other damages

And more…

ORDERING	
Video Inspection Camera Kits - Include HDV600 High Definition VideoScope and camera probe	
HDV610	High Definition VideoScope (5.5 mm diameter camera head/1 m flexible cable)
HDV620	High Definition VideoScope (5.8 mm diameter camera head/1 m semi-rigid cable)
HDV640	High Definition Articulating VideoScope (6 mm diameter camera head/1 m semi-rigid cable)
HDV640W	High Definition Wireless Articulating VideoScope (6 mm diameter camera head/1 m semi-rigid cable)
Plumbing Inspection Camera Kits - Include HDV600 High Definition VideoScope and camera probe	
HDV650-10G	Plumbing VideoScope Kit (25 mm camera head w/10 m Fiberglass Cable)
HDV650W-10G	Wireless Plumbing VideoScope Kit (25 mm camera head w/10 m Fiberglass Cable)
HDV650-30G	Plumbing VideoScope Kit (25 mm camera head w/30 m Fiberglass Cable)
HDV650W-30G	Wireless Plumbing VideoScope Kit (25 mm camera head w/30 m Fiberglass Cable)
Video Inspection Monitor (order camera probe separately from accessories list below)	
HDV600	High Definition VideoScope (meter only)
Optional Camera Probes	
HDV-TX1	6 mm Articulating VideoScope Camera Head with Macro lens and 1 m Semi-Rigid Cable
HDV-WTX1	6 mm Wireless Articulating VideoScope Camera Head w/Macro lens and 1 m Semi-Rigid Cable
HDV-TX2	6 mm Articulating VideoScope Camera Head w/Macro lens and 2 m Semi-Rigid Cable
HDV-TX2L	6 mm Articulating VideoScope Camera Head w/Long Focus lens and 2 m Semi-Rigid Cable
HDV-WTX2	6 mm Wireless Articulating VideoScope Camera Head w/Macro lens and 2 m Semi-Rigid Cable
HDV-4CAM-5FM	4 mm VideoScope Camera Head with Macro lens and 5 m Flexible Cable
HDV-5CAM-1FM	5.5 mm VideoScope Camera Head with Macro lens and 1 m Flexible Cable
HDV-5CAM-3FM	5.5 mm VideoScope Camera Head with Macro lens and 3 m Flexible Cable
HDV-5CAM-30FM	5.5 mm VideoScope Camera Head with Macro lens and 30 m Flexible Cable
HDV-5CAM-10F	5.5 mm VideoScope Camera Head with long depth of field and 10 m Flexible Cable
HDV-25CAM-10G	25 mm VideoScope Camera Head with long depth of field and 10 m Fiberglass Cable
HDV-25CAM-30G	25 mm VideoScope Camera Head with long depth of field and 30 m Fiberglass Cable
HDV-WTX	Wireless Transmitter
HDV-PC	Spare Patch Cable for HDV Series
ADPTR-HDV	Replacement AC Adaptor

HDV540 High Definition Articulating VideoScope Kit



Articulating (240°) camera tip facilitates viewing in obstructed areas where standard camera tips cannot access

- Wired handset with non-detachable 6 mm flexible probe (1 m) with macro lens
- Articulating probe tip adjusts up to 240° viewing angle
- 3.5" (89 mm) color LCD TFT with high definition 320x240 pixel resolution
- Compact, high-resolution water-proof (IP67) camera probe
- Camera head with four built-in bright LED lamps and dimmer to illuminate viewed object
- Glare-free close-up field of view
- Store more than 20,000 images on included SD card
- AV output for viewing images/video on a monitor
- Video and images can be transferred to a PC via the SD card or USB output
- Record voice-over audio in video recording mode
- VideoScope 2-year warranty; Camera probe 6-month warranty
- Includes HDV500 VideoScope, handset with 6 mm Articulating VideoScope Camera Head, SD card, 3.7 V rechargeable Li-Polymer battery, 100/240 V Universal AC adaptor and multiple plug types (US, EU, UK, AU), USB and AV cables, and carrying case



Wired handset and camera probe with easy one-hand operation of the articulating tip for best viewing angle. Tip rotates to 120° to the left and to the right. Images/ videos are viewed on the color display or external monitors and can be stored in SD card or a USB flash drive.



SPECIFICATIONS

Camera	
Focus distance	0.8 to 2.36" (2 to 6 cm)
Field of View	57°
Shaft diameter	0.24" (6 mm)
Working length	39" (1 m)
Camera Tip bend radius	240° (120° left, 120° right)
Borescope	
LCD Color TFT Display/ Pixels	3.5" (8.9cm) size/ 320x240 pixel resolution
Frame Rate	30 fps frame rate (NTSC & PAL)
SD Card	4 GB SD memory card included (supports up to 32 GB SD storage)
Operating	up to 6 hours AVI video
Dimensions/Weight	Meter w/battery: 8.3x4.3x1.6" (21x11x4 cm)/14.1 oz (400 g)

ORDERING

HDV540	High Definition Articulating VideoScope Kit
HDV5-6CAM-1AFM	6 mm Articulating VideoScope Camera Head with Macro lens and 1 m Flexible Cable

CALIBRATION TRACEABLE TO NIST

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BR250/BR250-4 Video Borescope/Wireless Inspection Cameras



3.5" Color Detachable Wireless LCD Monitor can be viewed from a remote location up to 32 ft (10 m) from measurement point

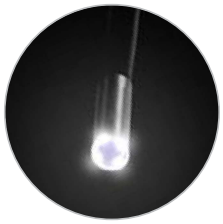
- Captured video with date/time stamp can be played back on the wireless monitor or on any monitor with a video input jack
- Video and images can be transferred to a PC via microSD card or USB cable and viewed using Windows® Multimedia Player
- Waterproof (IP67) flexible gooseneck retains configured shape
- NTSC operation with menus in 10 languages
- Close-up field of view
- Video Borescope 2-year warranty; Camera probes 6-month warranty
- Includes 4 AA batteries, rechargeable display battery, memory card with adaptor, USB cable, extension tools (mirror, hook, magnet) video interconnect cable, AC adaptor, magnetic base stand, and hard case
- **Model BR250** — 9 mm diameter camera head with built-in four bright LED lamps with dimmer and 36" (0.9 m) flexible gooseneck cable
- **Model BR250-4** — 4.5 mm diameter camera head with built-in four bright LED lamps with dimmer and 36" (0.9 m) flexible gooseneck cable



CE



BR250 includes 9 mm camera probe (BR-9CAM)



BR250-4 includes 4.5 mm camera probe (BR-4CAM)



Detachable wireless 3.5" color display can be viewed remotely from up to 32 ft (10 m). Camera features built-in LED lights.

Watch the Video
www.extech.com/video

SPECIFICATIONS	
Camera Pixels	640x480 (NTSC)
Transmission Frequency/ Range	2468 MHz/32 ft (10 m) unobstructed view
Camera Viewing direction	Viewing Angle 45°
Camera Viewing distance	5.9 to 9.8" (15 to 25 cm)
LCD Screen Type/ Pixels	3.5" TFT/ 320x240
Monitor Video Output Level	0.9 to 1.3 V@75 Ω
Monitor Video/Image Resolution	960x240 (AVI format)/640x480 (JPEG format)
Operating/Charge Time	1.5 hrs/3 hrs
Dimensions/Weight	Camera: 7.3x5.7x1.6" (186x145x41 mm)/18.7 oz (530 g) Monitor: 3.9x2.7x1" (100x70x25 mm)/4.9 oz (140 g)

ORDERING	
BR250	Video Borescope/Wireless Inspection Camera (with 9 mm diameter/1 m cable camera probe)
BR250-4	Video Borescope/Wireless Inspection Camera (with 4.5 mm diameter/1 m cable camera probe)
BR-4CAM	4.5 mm Borescope Camera Head with 1 m Cable
BR-9CAM	9 mm Borescope Camera Head with 1 m Cable
BR-9CAM-2M	9 mm Borescope Camera Head with 2 m Cable
BR-9CAM-5M	9 mm Borescope Camera Head with 5 m Cable
BR-17CAM	17 mm Borescope Camera Head with 1 m Cable
UA100-BR	Universal AC Adaptor

BR150 Video Borescope Inspection Camera



CE



9 mm camera diameter and 2.4" Color TFT LCD Monitor with video output for viewing on any monitor with a video input jack

- 39" (1 m) flexible gooseneck cable retains configured shape
- 9 mm camera diameter with 4 bright LED lamps and dimmer feature
- Mini waterproof (IP67) camera head for high resolution viewing
- Monitor detaches for easy storage
- Video Borescope 2-year warranty; Camera probes 6-month warranty
- Complete with camera probe, 4 AA batteries, extension tools (mirror, hook, magnet), video output jack, and hard case

SPECIFICATIONS

Camera	
Viewing direction	Viewing Angle 45°
Focus distance from object	5.9" to 9.8" (15 to 25 cm)
Minimum bend radius	2.36" (60 mm)
Dimensions/Weight	7.3x5.7x1.6" (186x145x41 mm)/18.7 oz (530 g)
Monitor	
LCD Screen Type	2.4" TFT
Pixels	480x234
Operating	1.5 hours
Dimensions/ Weight	3.9x2.7x1.8" (100x70x30 mm)/4.9 oz (140 g)

ORDERING

BR150	Flexible Video Borescope (9 mm diameter/1 m cable)
BR-9CAM	9 mm Borescope Camera Head with 1 m Cable
BR-9CAM-2M	9 mm Borescope Camera Head with 2 m Cable
BR-9CAM-5M	9 mm Borescope Camera Head with 5 m Cable

BR80 Video Borescope Inspection Camera



CE

17 mm camera diameter with 39" (1 m) flexible gooseneck cable retains configured shape and 2.4" Color TFT LCD Monitor

- Waterproof (IP67) camera head and cable with lightweight, handheld design housing to easily find, diagnose, and solve problems
- Four bright LED lamps with dimmer to illuminate viewed object
- Glare-free close-up field of view
- Vivid 2.4" color LCD monitor for detailed images plus 180° image rotation feature
- Video Borescope 2-year warranty; Camera probe 6-month warranty
- Complete with 17 mm camera probe, 4 AA batteries, and extension tools (mirror, hook, and magnet)

ORDERING

BR80	Video Borescope Inspection Camera
BRC-17CAM	17 mm Borescope Camera Head with 1 m Cable





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