EXTECH®

PRODUCT DATASHEET

HDV700 Series
High-Performance Videoscope



*Sold separately, or as a kit (see ordering section on next page)

The HDV700 is a versatile and lightweight professional videoscope that is designed for inspections in locations that are difficult or unsafe to access. With one or more of the eight waterproof (IP67) camera probes*, you can use the HDV700 for condition monitoring in manufacturing, HVAC/R, plumbing, building, and automotive applications. A range of small diameter and articulating camera probes are available to give you clear visibility of components from the 5-inch color touchscreen display. Easily maneuver the narrow probes into small openings without disassembling equipment. The HDV700 also features multiple data recording options so you can easily create reports at the job site by transferring images and videos to your laptop.



HDV700 Series Features

- View clear, bright images with a wide field-of-view on the 5-inch color capacitive touchscreen
- Capture both still images and videos
- Gain access to difficult-to-see components without disassembling equipment
- Simultaneously view live camera image and a saved image side by side on the display to easily compare changes since last inspection
- Record voice annotations and photo notes for advanced reports
- Efficiently manage your inspection data using the Session and Tag feature
- Make it easy for a second person to inspect with you by connecting the display to a monitor using the HDMI video output
- Inspect comfortably using the display stand and tripod mount
- Immerse the IP67-rated camera probes in water at a depth up to 1 m (3.2 ft) for 30 minutes max
- Each kit is complete with a HDV700 Videoscope Screen, camera probe (model dependent on kit ordered), 64 GB Micro SD card, USB-A to USB-C cable, HDMI Type A to Type D cable, Li-ion rechargeable battery (built-in), and universal adapter (with US, UK, EU, and AUS plugs)

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HDV700 Videoscope Screen (No Camera Probes)	
Display (Resolution)	5” color TFT (800 × 480)
Touchscreen (Backlight)	Capacitive touch (500 nits)
Image/Video Format	JPEG (1280 × 720)/MP4 (1280 × 720)
Voice and Text Annotation	Yes
Video Output	Micro HDMI
Data Communication Interface	USB-C, Micro SD
Storage Capacity	64 GB (*includes 64 GB microSD)
Battery Type (Life)	Rechargeable 3.6 V Li-ion (5 hours)

Tripod Mount	UNC ¼”-20
Power	5 V, 3 A DC with universal adapters (US, EU, UK, AU)
Drop Test	1 m (3.28 ft)
IP Rating	Videoscope Screen: IP54 Camera Probe: IP67 Pipe Probe: IP68
Dimensions [W × H × D]	161.9 mm × 127.9 mm × 30 mm (6.38 in × 5.04 in × 1.18 in)
Weight	705 g (1.55 lb)

HDV700 Series Camera Probes

Model Number	Diameter	Length	Probe Flexibility	Resolution	Depth Of Field	Field of View	Direction of View
General Purpose							
HDV7C-55-HD-1	5.5 mm	1 m	Semi-rigid	1280 × 720	10 mm to infinity	90˚	Forward
Dual View Inspection							
HDV7C-49-DUAL-1	4.9 mm	1 m	Semi-rigid	1280 × 720	10 mm to infinity	90˚	Forward & Side
2-Way 180˚Articulation Camera							
HDV7C-A2-39-HD-1	3.9 mm	1 m	Flexible, Stainless Steel Mesh	1280 × 720	10 mm to infinity	90˚	Forward
4-Way 180˚Articulation Camera							
HDV7C-A4-39-HD-2	3.9 mm	2 m	Flexible, Stainless Steel Mesh	1920 × 1080	10 mm to 100 mm	90˚	Forward
HDV7C-A4-60-DUAL-3	6 mm	3 m			Forward: 7 mm to infinity Side: 8 mm to infinity	95˚	Forward & Side

Pipe Inspection	Diameter	Length	Resolution	Depth of Field	Field of View	Direction of View	Sonde Transmitter
HDV7C-P28-HD-30	28 mm	30 m	1920 × 1080	20 mm to infinity	150˚	Forward	N/A
HDV7C-P29-TR-HD-30	28.8 mm					Forward View with Self-leveling	512 Hz Sonde TX

Ordering



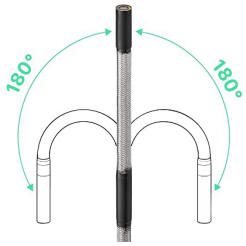
Complete Kits

HDV710.....Videoscope Kit with Semi-Rigid HD 5.5 mm × 1 m Camera Probe
HDV720.....Videoscope Kit with Semi-Rigid Dual HD 4.9 mm × 1 m Camera Probe
HDV730.....Videoscope Kit with HD Flexible 2-Way Articulating 3.9 mm × 1 m Camera Probe
HDV741.....Videoscope Kit with Flexible 4-Way Articulating 3.9 mm × 2 m Camera Probe
HDV751.....Videoscope Plumbing Kit with 30 m Plumbing Spool & 28 mm Diameter Camera Probe,
HDV755.....Videoscope Plumbing Kit with 30 m Plumbing Spool, 28 mm Diameter Camera Probe, & 512 Hz Sonde Transmitter

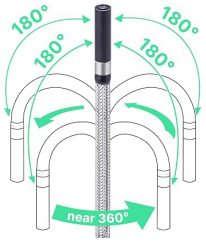
Screen and Camera Probes (sold separately)

HDV700 ..... HDV700 Videoscope Screen (No Probes)
HDV7C-55-HD-1 ..... HD 5.5 mm × 1 m Camera Probe
HDV7C-49-DUAL-1..... Dual HD 4.9 mm × 1 m Camera Probe
HDV7C-A2-39-HD-1..... HD 2-Way Articulating 3.9 mm × 1 m Camera Probe
HDV7C-A4-39-HD-2 ..... HD 4-Way Articulating 3.9 mm × 2 m Camera Probe
HDV7C-A4-60-DUAL-3..... 4-Way Articulating 6 mm × 3 m Camera Probe
HDV7C-P28-HD-30..... HD 28 mm Camera Probe with 30 m Plumbing Spool
HDV7C-P29-TR-HD-30.... HD 28.8 mm Camera Probe with 30 m Plumbing Spool, 512 Hz Sonde Transmitter

VERSATILE, 2-WAY ARTICULATION
Provides 2-way probe tip articulation via a handheld controller for a wide range of inspection needs.



VERSATILE, 4-WAY ARTICULATION
Provides 4-way probe tip articulation via a handheld controller for a wide range of inspection needs.



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