

Product Datasheet - Technical Specifications



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FLIR VS80™ SERIES

High-Performance Videoscope



VS80 Camera Probes



The FLIR VS80 is a versatile, professional videoscope that you can rely on when inspecting locations that are difficult or unsafe to access. Seven unique compatible probes* with waterproof (IP67) camera tips are available to give you flexibility for virtually any type of inspection. Options include: a 160 × 120 thermal camera, 2-way and 4-way articulating visual camera, 25 m plumbing spool, high-definition (HD) camera, and dual HD camera probe. With one or more of the VS80 camera probes, you can perform a wide range of inspections including industrial equipment maintenance, HVAC/R, building, and automotive applications. Easily maneuver the narrow camera probes into small openings and tight spaces, and view sharp, vivid images and videos from the large, 7-inch touchscreen display. Using the FLIR Tools Mobile app from a mobile device, you can view saved images and video from the VS80, download files, and share them easily with customers or colleagues.

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



IMPROVE INSPECTION SPEED

Inspect hard-to-reach components without disassembling equipment

- Simultaneously view live camera image and a saved image side by side on the large 7-inch display to easily compare changes since last inspection
- Work for 8+ hours without recharging the battery
- View detailed imagery with 10 mm to infinity visual probe depth of field
- VS80 screen includes a kickstand, neck strap, and tripod mount, allowing you to keep your hands free to manipulate the probe during an inspection while still viewing the display

VERSATILE, RUGGED, AND RELIABLE

Catch degrading components prior to failure

- Choose from 7 small-diameter probe options to respond to any inspection requirement, including HD and dual HD probes
- Probe options include a thermal camera, 2-way and 4-way articulating cameras, and a plumbing probe, allowing you to inspect places your old videoscope cannot
- The VS80 display is durable to withstand a 2 m drop and splashproof (IP54 rated); probe tips are waterproof (IP67 rated)
- Install the sun visor when using the VS80 outdoors and in other environments where bright light makes it difficult to see the screen

IDENTIFY, DOCUMENT, AND SHARE

Report your findings quickly and easily

- View live video on an external monitor or screen using the HDMI output
- Capture up to 1280 × 720 HD resolution still images and video (with audio)
- Record voice annotations over video and add text notes to saved images
- Quickly create reports using FLIR Thermal Studio or your preferred reporting software, and share findings with team members to prioritize repairs

SPECIFICATIONS

FLIR VS80 (Display Only)	
Touchscreen Size (diagonal)	7 in (178 mm)
Display Resolution	1024 × 600
Battery Life	8 hours
Data Capture Modes	JPEG, video, photo comments, voice comment
2nd Video Screen Capable	Yes, HDMI
Live Reference Image Comparison	On screen side-by-side
Wireless Mobile App Compatibility	FLIR Tools Mobile
Text Image Annotation	Photo comments
Voice Annotation	Audio headset included
Data Transfer	USB, micro SD, wireless (Wi-Fi)
Memory	Up to 64 GB micro SD (32 GB micro SD card included)
Warranty	3 Year
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Operating Humidity	10-95% Non-Condensing
FLIR VS80 CAMERA PROBES	
Number of Probe Options	7
HD Camera Resolution	1280 × 720
General Purpose Probe Options	Standard & high definition
Dual View (Front/Side) Probe Option	High definition
2-Way Articulating Probe Option	Standard definition
4-Way Articulating Probe Option	Standard definition
Pipe Inspection Probe Option	25 m long
Visual Probe FOV	90° typical
Visual Probe Depth of Field	10 mm to infinity
Thermal Camera Option	160 × 120 (19,200 pixels) IR resolution

Specifications are subject to change without notice.

Ordering Information

Complete Kits

VS80-KIT-1	General Purpose Videoscope Kit with 5.5 mm × 1 m long probe
VS80-KIT-2	Videoscope Kit with 2-Way Articulation 4.5 mm × 1 m long probe
VS80-KIT-3	Videoscope Kit with Dual HD Camera 4.9 mm × 1 m long probe
VS80-KIT-4	Videoscope Kit with 4-Way Articulation 6.0 mm × 2 m long probe
VS80-KIT-5	Videoscope Kit with Plumbing Spool and 10 mm × 25 m long probe
VS80-KIT-6	Videoscope Kit with HD 5.5 mm × 1 m long probe
VS80-IR21	Videoscope Kit with IR Thermal 19 mm × 1 m long probe

Screen and Camera Probes (sold separately)

VS80	VS80 Videoscope Screen (No Camera Probes)
VS80CIR-21	VS80 160 × 120 IR Thermal Camera Probe 19 mm × 1 m long
VS80C55-1RM	VS80 Camera Probe 5.5 mm × 1 m long
VS80A2-45-1RM	VS80 2-way Articulating Camera Probe 4.5 mm × 1 m long
VS80A4-60-2RM	VS80 4-way Articulating Camera Probe 6.0 mm × 2 m long
VS80C10-25RM	VS80 Plumbing Spool and Camera Probe 10 mm × 25 m long
VS80CHD-55-1RM	VS80 HD Camera Probe 5.5 mm × 1 m long
VS80C2-49-1RM	VS80 Dual HD Camera Probe 4.9 mm × 1 m long

What's in the Box? Kit Contents

Each kit includes a VS80 High-Performance Videoscope, camera probe, neck strap, hand straps, audio headset, removable/retractable sun visor, power adapter with AC plugs (for US, UK, EU, AUS), heavy duty shipping/carrying case, 32 GB microSD memory card, USB C to USB A cable, micro HDMI to HDMI video cable, and Quick Start Guide

VS80-KIT-3



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Revised on 05/24/22
VS80_Datasheet-LTR 21-0000