

# 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



This product is subject to United States export regulations and may require US authorization prior to export, reexport, or transfer to non-US persons or parties. Diversion contrary to US law is prohibited. For assistance with confirming the Jurisdiction & Classification of Teledyne FLIR, LLC products, please contact . ©2022 Teledyne FLIR, LLC. All rights reserved.

Revised on 05/03/22  
VS80\_Datasheet-LTR 21-0000