FLIR VS70: Starter Bundle w Articulation and extra camera Videoscope Kit

P/N: VS70-KIT

Copyright

Document identity

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Website

http://www.flir.com

Customer support

http://support.flir.com

Disclaimer

The Starter Bundle includes the VS70, a wired handset, a dedicated 6 mm long-locus camera with two-way articulation on a 1 m semi-rigid cable, and an 8mm long focus camera on a 1 meter semi-rigid cable. The bundle provides long-distance views and close-up inspection.

SAP description	Starter Bundle: Main Unit, Two-way Articulation, General Purpose Camera
Kit contents	VS70 + VSA2-1 + VSC80-1R
VS70 main unit general data	
LCD screen	145 mm (5.7″), 135 mm (5.3″) viewable
Active matrix	Active matrix, 640 × 480 pixels
Memory type	SD card 4 GB included (32 GB maximum)
Compression format	MPEG4
Still image format	JPEG (640 × 480 pixels)
Video Recording format	AVI (640 × 480 pixels)
Video output format	NTSC and PAL, frame rate 30 fps
Multi-language menu	Yes
Receiver frequency	2.4 GHz
Receiver sensitivity	–87 dBm (SNR = 42 dB, F_{mod} = 15)
Data/video	Mini USB 1.1 and AV out
Audio	Earphone plug, 3.5 mm, 4 rings
Speaker	15 mm, 32 Ω, 20 Hz to 20 kHz
Microphone	Boom microphone 6 mm × 5 mm (0.24″ × 0.2″), total length 10 cm (3.9″), wire length 1.2 m (3.9′)
Tripod mount	On rear, accepts standard tripod screw
Certifications	FCC, CE
Warranty	2 years, see website for details
VS70 main unit power system	
Battery	3.7 V rechargeable lithium polymer
Battery life	6–8 hours

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VS70 main unit power system	
Power adapter	100–240 V input/5 V DC output
Battery status indication	Progressive with auto power off (APO)

VS70 main unit environmental data	
IP rating	67
Drop test	2 m
Operating temperature	−10 to 60℃ (14 to 140℉)
Operating humidity	80% maximum
Storage temperature	−40 to 80℃ (−40 to 176℉)

VS70 main unit physical data	
Product weight	1.57 kg (3.46 lb.), including batteries
Product dimensions	241 mm × 178 mm × 70 mm (9.5″ × 7″ × 2.75″)
Material	PC-ABS, rubber hand grip, nylon strap
Color	Gray and black

Camera VSA2-1 (two-way 6 mm articulated camera with 1 m probe)	
Diameter	6 mm
Resolution	VGA (640 × 480 pixels)
Probe length	1 m
Focal length	65 mm to infinity
Field of view	56°
Articulation	Two-way 240 ± 20° manual tip articulation
Integrated handset	Yes
Wireless capabilities	No
Compatible main unit	VS70
Compatible wireless handset	N/A
Compatible detachable cameras	N/A
Warranty	2 years
Imaging sensor	CMOS
Video format	NTSC
Brightness control	Manual with variable options
Lamp type	LED
Operating temperature	−10℃ to 50℃ (14 to 122℉)
Power requirements	N/A

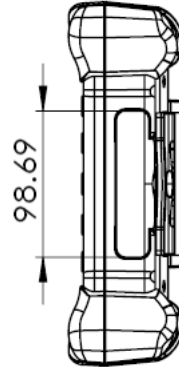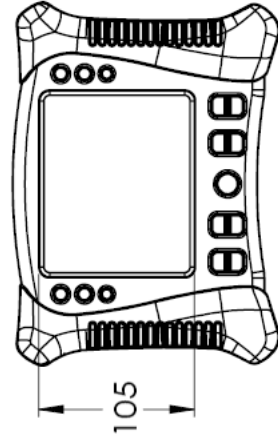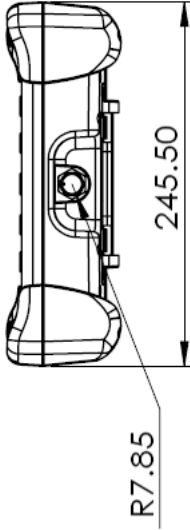| Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF)	
Diameter	8 mm
Resolution	VGA (640 × 480 pixels)
Probe length	1 m
Focal length	65 mm to infinity
Field of view	56°
Integrated handset	N/A
Wireless capabilities	N/A

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Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF)	
Compatible main unit	VS70
Compatible wireless handset	VST
Compatible detachable cameras	N/A
Warranty	2 years
Imaging sensor	CMOS
Video format	NTSC
Brightness control	Manual with variable options
Lamp type	LED
Operating temperature	−10 to 50℃ (14 to 122℉)

Shipping information	
Packaging type	Brown shipping box over hard case
Packaging contents	VS70 main unit, VSA2-1 (two-way 6 mm articulated camera with 1 m probe), VSA-60 (6 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD)
Packaging weight	7.5 kg
Packaging dimensions (H × W × L)	53 cm × 43.5 cm × 22 cm
Carton weight	16 kg
Carton dimensions (H × W × L)	55 cm × 46.5 cm × 46 cm
Carton quantity	2
EAN-13	0793950400760
UPC-12	793950400760
Country of origin	TW
Tariff code	9013809000

Technical support	
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Documentation	
Manual languages (on CD and web)	Czech, Danish, German, Greece, English (US), Spanish (Spain), Finnish, French (France), Hungarian, Italian, Japanese, Korean, Bokmal Norwegian (Norway), Dutch Flemish (Netherlands), Polish, Portuguese (Portugal), Russian, Swedish, Chinese, Chinese (Taiwan)

Suggested cameras and accessories	
VST	Wireless handset
VS-2PC	2 m patch cable
VSA2-1-W	Wireless two-way 6 mm articulated camera with 1 m probe
VSC65-17S	17″ stainless steel rigid probe

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Compatible cameras full list	
VSA2-2M-W	Wireless two-way 6 mm articulated camera with 2 m probe via SF
VSA2-2-W	Wireless two-way 6 mm articulated camera with 2 m probe
VSA2-1M-W	Wireless two-way 6 mm articulated camera with 1 m probe via SF
VSA2-2	Two-way 6 mm articulated camera with 2 m probe
VSA2-2M	Two-way 6 mm articulated camera with 2 m probe via SF
VSA2-1	Two-way 6 mm articulated camera with 1 m probe
VSA2-1M	Two-way 6 mm articulated camera with 1 m probe via SF
VSC2-58-1FM	Two-channel camera, 5.8 mm diameter 1 m probe
VSC58-30M	5.8 mm camera with 30 m FG probe—QVGA via SF
VSC58-20M	5.8 mm camera with 20 m FG probe—QVGA via SF
VSS-30	30 m plumbing spool
VSS-20	20 m plumbing spool
VSC28	28 mm camera head for spool
VSC25	25 mm camera head for spool
VS-BR25	Centering brush for VS70 camera probes
VS-BR28	Centering brush for VS70 camera probes
VS-RB	Replacement centering brush
VSC65-12S	12″ stainless steel rigid probe
VSC41-2RM	4.1 mm camera with 2 m SR probe—QVGA via SF
VSC39-1FM	3.9 mm camera with 1 m flex probe—QVGA via SF
VSC58-2R	5.8 mm camera with 2 m SR probe—VGA via LF
VSC58-2RM	5.8 mm camera with 2 m SR probe—VGA via SF
VSC58-1R	5.8 mm camera with 1 m SR probe—VGA via LF
VSC58-1RM	5.8 mm camera with 1 m SR probe—VGA via SF
VSC80-2R	8 mm camera with 2 m SR probe—VGA via LF
VSC80-1R	8 mm camera with 1 m SR probe—VGA via LF

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177.25

245.50

R7.85

98.69

105

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Monday, April 21, 2014	T&M Engineering
Description	
FLIR VS70, Units in mm	

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