P/N: VS70-3

Copyright

© 2014, FLIR Systems, Inc.

Document identity

Corporate Headquarters

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
Telephone: +1-503-498-3547

Website

http://www.flir.com

Customer support

http://support.flir.com

Disclaimer

The Articulation Combo (Wired), Long Focus kit includes the VS70, a wired handset, and a dedicated 6 mm long-focus camera with two-way articulation on a 1 m semi-rigid cable. Long focus provides an increased viewing distance, and articulation provides greater internal camera control.

SAP description	Articulation Combo (Wired), Long Focus
Kit contents	VS70 + VSA2-1
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

www.flir.com

FLIR VS70: Wired Articulation Camera Videoscope Combo

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

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

www.flir.com

FLIR VS70: Wired Articulation Camera Videoscope Combo

Shipping information	
Carton weight	16 kg
Carton dimensions (H × W × L)	55 cm × 46.5 cm × 46 cm
Carton quantity	2
EAN-13	7332558007433
UPC-12	793950400746
Country of origin	TW
Tariff code	9013809000

Technical support	
Website	http://support.flir.com
E-mail	T&Msupport@flir.com
Phone	855-499-3662
Repairs	repair@flir.com
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

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

www.flir.com

FLIR VS70: Wired Articulation Camera Videoscope Combo
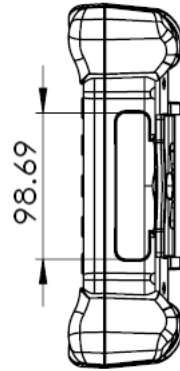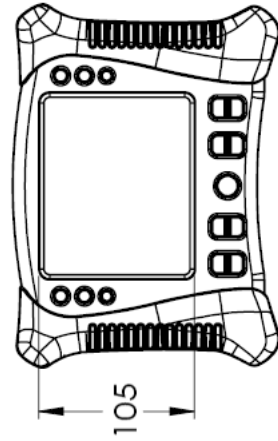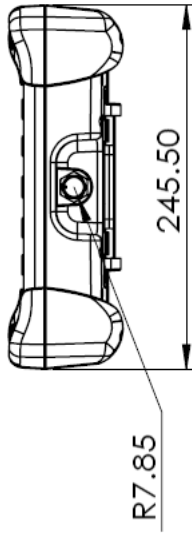
P/N: VS70-3

© 2014, FLIR Systems, Inc.

#VS70-3; r. /17976; en-US

Compatible cameras full list	
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

177.25

245.50

R7.85

98.69

105

FLIR

Modified Date	**Modified By**
Monday, April 21, 2014	T&M Engineering
Description	
FLIR VS70, Units in mm	