



FLIR VS70: Wireless Articulation Camera Videoscope Combo

P/N: VS70-3-W

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

| | |
|------------------------------------|---|
| SAP description | Wireless Articulation Combo |
| Kit contents | VS70 + VSA2-1-W |
| 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, 20Hz 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 |
| Power adapter | 100–240 V input/5 V DC output |
| Battery status indication | Progressive with auto power off (APO) |



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| VS70 main unit environmental data | |
|-----------------------------------|----------------------------|
| IP rating | 67 |
| Drop test | 2 m |
| Operating temperature | -10 to 60°C (14 to 140°F) |
| Operating humidity | 80% maximum |
| Storage temperature | -40 to 80°C (-40 to 176°F) |

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

| Camera VSA2-1-W (wireless two-way 6 mm articulated camera with 1 m probe) | |
|---|---|
| Diameter | 6 mm |
| Resolution | VGA (640 x 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 | Yes, 2.4 GHz to main unit |
| 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°C to 50°C (14 to 122°F) |
| Power requirements | N/A |

| VSA2 power system | |
|--------------------|---------------------------------|
| Power requirements | Integrated rechargeable battery |
| Run time | 2 hours continuous use |
| Auto power off | No |
| Power adapter | 100-240 V input/5 V DC output |

| Shipping information | |
|----------------------|--|
| Packaging type | Brown shipping box over hard case |
| Packaging contents | VS70 main unit, VSA2-1-W (wireless two-way 6 mm articulated camera with 1 m probe), VSA-60 (6 mm camera accessories: mirror, anti-snap 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) |



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| Shipping information | |
|--|--|
| Packaging weight | 7.5 kg |
| Packaging dimensions (H x W x L) | 53 cm x 43.5 cm x 22 cm |
| Carton weight | 16 kg |
| Carton dimensions (H x W x L) | 55 cm x 46.5 cm x 46 cm |
| Carton quantity | 2 |
| EAN-13 | 0793950400753 |
| UPC-12 | 793950400753 |
| Country of origin | TW |
| Tariff code | 9013809000 |
| Technical support | |
| Website | http://support.flir.com |
| E-mail | TMSupport@flir.com |
| Phone | 855-499-3662 |
| Repairs | repair@flir.com |
| 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 |
| 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 |



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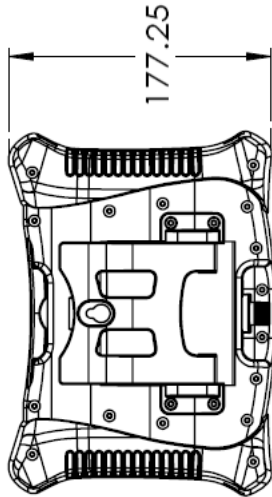
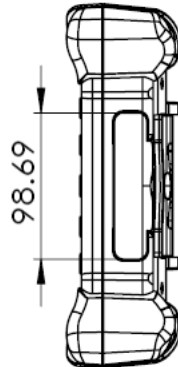
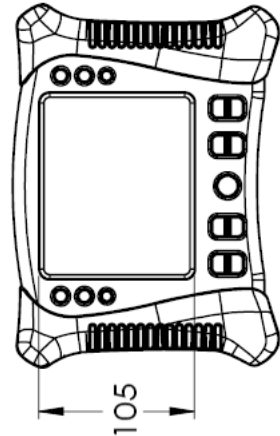
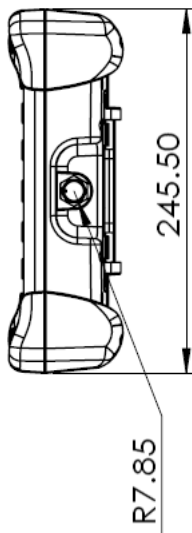
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| Compatible cameras full list | |
|------------------------------|---|
| VSC28 | 28 mm camera head for spool |
| VSC25 | 25 mm camera head for spool |
| VS-BR25 | Centering brush for VS70 camera probes |
| VS-BR28 | Centering brush for VS70 camera 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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| Modified Date Monday, April 21, 2014 | Modified By T&M Engineering |
| Description FLIR VS70, Units in mm | |

