FLIR VS80 IR Thermal Probe (19 mm × 1 m)

P/N: VS80CIR-21

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Website

http://www.flir.com

Customer support

http://support.flir.com

Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.



General information
The FLIR VS80 series is a versatile, professional videoscope system that can be used to inspect locations that are difficult or unsafe to access. **NOTE**: • The image shows the probe with the FLIR VS80 display screen (ordered separately). • VS80-IR21 • The FLIR VS70 and VS80 camera probes are not interchangeable between the two series.

Camera specifications	
Articulation	N/A
Diameter	19 mm
Resolution	VGA (160 × 120 pixels)
Probe length	1 m
Depth of Field (DOF)	15 cm to infinity
Field of view (FOV)	71°
Imaging sensor	Thermal only **NOTE**: No visual or MSX
Video output	HDMI from VS80 display screen
Brightness control	Adjustable using the VS80 display screen
LED illumination (front/side)	N/A
Exterior material	Semi-rigid
Side-view solution	N/A
White balance	N/A
Exposure	Automatic
CAT Rating	Non-CAT Rated – NOT for insertion into electrical equipment
Output file	Standard JPEG **NOTE**: Not RJPEG (like VS290)

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Camera specifications	
Thermal tools	• Color palettes; Iron, Rainbow, Gray scale, Below alarm, Above alarm • Measurements; Center spot, Hot spot, Cold spot • Temperature scale; Auto scale, Manual scale • Measurement parameter adjustment; °C /°F, emissivity, reflected temperature
Object temperature range	–10°C to 400°C (14°F to 752°F)

Environmental data	
IP rating	Probe tip: IP67 Protected from immersion in water with a depth of up to 1 meter (3.2 ft) for up to 30 minutes.
Operating temperature	–10 to 60°C (14 to 140°F)
Operating humidity	10-95% Non-Condensing
Storage temperature	–20 to 60°C (–4 to 140°F)

Physical data	
Weight	0.41 kg (0.9 lb)
Dimensions (L × W × H)	1140 × 19 × 19 mm (44.5″ × 0.7″ × 0.7″)
Material	Semi-rigid
Color	Black

Shipping information	
Packaging type	Cardboard
Packaging contents	VS80CIR-21 Thermal Camera Probe
Packaging weight	0.52 kg (1.1 lb)
Packaging dimensions (L × W × H)	260 × 240 × 35 mm (10.1″ × 9.4″ × 1.4″)
EAN-13	0793950410882
UPC-12	793950410882
Tariff code	• Harmonized Code, US: 9031499000 • Harmonized Code, EU: 8525890000
ECCN	6A993.a
Country of origin	Taiwan

Technical support	
Website	https://support.flir.com

Teledyne FLIR Commercial Systems, Inc.
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Declaration of Conformity

FLIR Model: ***VS80,***
VS80-KIT-1, VS80-KIT-2, VS80-KIT-3, VS80-KIT-4, VS80-KIT-5, VS80-KIT-6, VS80-IR21, VS80CIR-21, VS80C55-1RM, VS80A2-45-1RM, VS80A4-60-2RM, VS80C10-25RM, VS80CHD-55-1RM, VS80C2-49-1RM

Description: ***High-Performance Videoscope***

Date of Issue: ***27-Apr-22***

We, Teledyne FLIR Commercial Systems, Inc. 10F, No. 57, Zhouzi Street, NeiHu District, Taipei city, 114, Taiwan declare that a sample of the product listed above has been tested by a third party for CE marking according to:

EMC Directive: 2014/30/EU
Report Number: 210900046TPE-001
Report Date of Issue: 3/15/2022
Standards:

EN 55011:2016+A11:2020
EN 61000-3-3: 2013+A1:2019
EN 61326-1: 2021(Industrial)
EN 61326-2-1: 2021
EN 61000-3-2: 2019+A1:2021
EN 61000-6-2: 2019
EN 61000-6-4: 2019
EN 62311: 2008

LVD Directive: 2014/35/EU
Report Number: 210900046TPE-001R2
Report Date of Issue: 2/21/2022
Standards:

IEC 61010-1:2010, AMD1:2016
EN 61010-1:2010/A1:2019

RED Directive: 2014/53/EU
Report Number: 210900046TPE-001
Report Date of Issue: 3/15/2022
Standards:

EN 301 489-1 V2.2.3 (2019-11)
EN 301 489-17 V3.2.4 (2020-09)

RoHS Directive: EU Directive 2015/863/EU (RoHS 3)
REACH Directive: Annex XVII (SVHC Jul 16,2019)
WEEE Directive Compliance

The test reports show that the product fulfills the requirement in the EMC Directive, RoHS Directive, REACH and WEEE for CE Marking. On this basis, together with the manufacturer's own documented production control, the manufacturer (or his European authorized representative) can in his EC Declaration of Conformity verify compliance with the EMC Directive, RoHS Directive, REACH and WEEE.

Stan Lee

Stan Lee/ QA Manager

Taipei, Taiwan Apr 27, 2022

UK Declaration of Conformity

FLIR Product: VS80, VS80-KIT-1, VS80-KIT-2, VS80-KIT-3, VS80-KIT-4, VS80-KIT-5, VS80-KIT-6, VS80-IR21, VS80CIR-21, VS80C55-1RM, VS80A2-45-1RM, VS80A4-60-2RM, VS80C10-25RM, VS80CHD-55-1RM, VS80C2-49-1RM

Name and address of the manufacturer: Teledyne FLIR Commercial Systems, Inc.
10F, No. 57, Zhouzi Street, NeiHu District, Taipei city, 114, Taiwan

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration: VS80, VS80-KIT-1, VS80-KIT-2, VS80-KIT-3, VS80-KIT-4, VS80-KIT-5, VS80-KIT-6, VS80-IR21, VS80CIR-21, VS80C55-1RM, VS80A2-45-1RM, VS80A4-60-2RM, VS80C10-25RM, VS80CHD-55-1RM, VS80C2-49-1RM

The object of the declaration described above is in conformity with the relevant statutory requirements applicable to the specific product:

Standards review between UK and EU

UK legislation refr.	UK designated standard*	EU regulation refr.	EU harmonised standard
EMC		**EMC**	
S.I. 2016 No. 1091	EN 55011:2016	2014/30/EU	EN 55011:2016
S.I. 2016 No. 1091	EN 61000-3-3	2014/30/EU	EN 61000-3-3:2013+A1:2019
S.I. 2016 No. 1091	EN 61000-3-2	2014/30/EU	EN 61000-3-2: 2019
S.I. 2016 No. 1091	EN 61000-6-2	2014/30/EU	EN 61000-6-2: 2019
S.I. 2016 No. 1091	EN 61000-6-4	2014/30/EU	EN 61000-6-4: 2019
S.I. 2016 No. 1091	EN 61326-1	2014/30/EU	EN 61326-1: 2013
S.I. 2016 No. 1091	EN 61326-2-1	2014/30/EU	EN 61326-2-1 : 2021
S.I 20016 No.1091	EN 301 489-1	2014/53/EU	EN 301 489-17 v3.2.4
S.I. 2016 No. 1091	EN 301 489-1	2014/53/EU	EN 301 489-1 v2.2.3
LVD Directive		**LVD Directive**	
S.I. 2016 No. 1101	EN 61010-1	2014/35/EU	EN 61010-1: 2010/A1: 2016
S.I. 2016 No. 1101	EN 61010-1	2014/35/EU	EN 61010-1: 2010/A1: 2019
RoHS		**RoHS**	
S.I. 2012 No. 3032	EN 50581:2012	2015/65/EU (RoHS)	EN 50581:2012

* https://www.gov.uk/guidance/designated-standards

Designated standards: EMC – consolidated list, version 1, 1 January 2021
Designated standards: Low voltage equipment – consolidated list, version 1, 1 January 2021
Designated standards: RoHS – consolidated list, version 1, 1 January 2021

FLIR Commercial Systems
Quality Assurance

Stan Lee

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Quality Manager