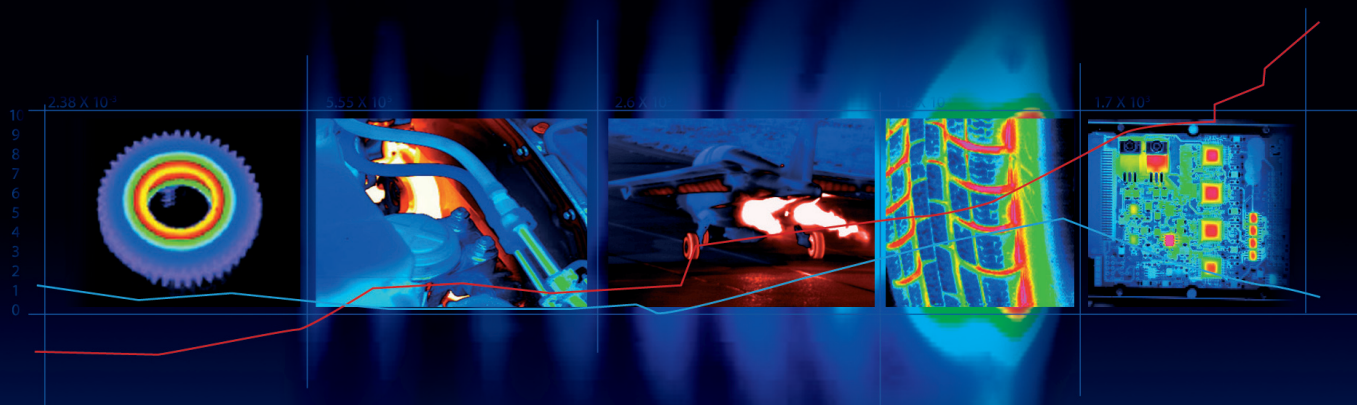
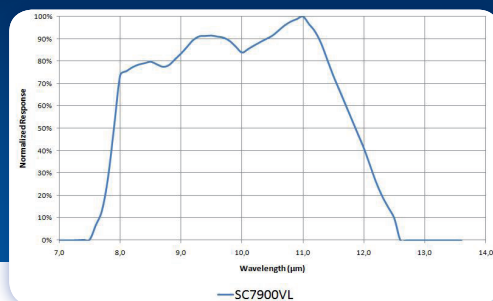




SC7900-VL



Technical specifications

Sensor type	MCT
Waveband	7.7 - 11.5 µm
Pixel Resolution	320 x 256
Pitch	30 µm
Aperture	F/2
Cooler	Close-cycle (rotary) Stirling cooler
Sub array windowing (min 64x3)	User defined size arbitrary location
Frame rate	1 Hz to 235 Hz Full Frame
Frame rate in subwindow mode	Max. 30 900 Hz with 64x3 pixels
Integration time	3 µs to 20 ms programmable (1 µs step) ITR

Optical specifications

Optical interface	Removable M80 Thread Optional Janos Interface
-------------------	--

Measurement

Temperature calibration range	-15 °C to 1500 °C in single ranges or in extended mode
Temperature measurement accuracy	± 1°C or ± 1 %
NETD	<25 mK (20 mK typical)
Filter wheel	4 slots for 2x1" filter 1 mm thick
CNUC™ and Hypercal™	Yes

Timing & Signals

Analogue video	PAL or NTSC, S-Video & composite
Digital video	CAMLink / GigE
Trigger input / output	LVTTTL (3.3V) Signal Programmable Delay & Active level Ultra low Jitter
Trigger jitter	< 200 ns
Analogue signal inputs	1 x (-5 to 5 V) + 2 x (0 to 10 V)

Physical specifications

Size (w/o lens) (LxWxH)	403x130x168 mm
Weight (w/o lens)	9.5 Kgs
Operational temperature	-20 °C / +55 °C
Shock	Operational 25G, IEC 68-2-29
Vibration	Operational 2G, IEC 68-2-26
Input voltage	24 VDC
Power consumption (cooldown / stab)	80 W / 40 W

Lenses

12 mm	44° x 36°
25 mm	22° x 17°
27 mm	20° x 16°
50 mm	11° x 8.8°
100 mm	5.5° x 4.4°
200 mm	2.7° x 2.2°
Microscope lens X1	9.6 x 7.2 mm
Microscope lens X3	3.2 x 2.4 mm

Lens Extenders

Janos lenses compatibility with optional interface

Accessories

Altair radiometric software
Software development Kit (C++ / Labview)
Factory Temperature Calibration
Spectral filters
Battery pack for up to 4 hours autonomy
USB advanced acquisition trigger module
Embedded Tablet PC
Industrial Grade Connectors & Cables



FLIR Systems AB - World Wide Thermography Center

Rinkebyvägen 19 - PO Box 3
SE-182 11 Danderyd - Sweden
Tel.: +46 (0)8 753 25 00 - Fax: +46 (0)8 755 07 52
e-mail: sales@flir.se



Authorised FLIR dealer:
AT - Automation Technology
Hermann-Boessow-Str. 6-8
D-23843 Bad Oldesloe
Tel.: +49(0)4531/88011-0
Fax: +49(0)4531/88011-20
Email: info@AutomationTechnology.de
Web: www.AutomationTechnology.de

FLIR Systems France • France • Tel.: +33 (0)1 41 33 97 97 • e-mail: info@flir.fr

FLIR Systems AB • Belgium • Tel.: +32 (0)3 287 87 10 • e-mail: info@flir.be

FLIR Systems Co. Ltd. • Hong Kong • Tel.: +852 27 92 89 55 • e-mail: flir@flir.com.hk

FLIR Systems GmbH • Germany • Tel.: +49 (0)69 95 00 900 • e-mail: info@flir.de

FLIR Systems Ltd. • United Kingdom • Tel.: +44 (0)1732 220 011 • e-mail: sales@flir.uk.com

FLIR Systems S.r.l. • Italy • Tel.: +39 02 99 45 10 01 • e-mail: info@flir.it

www.flir.com/thg