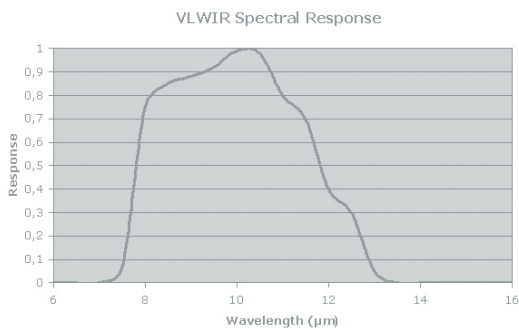


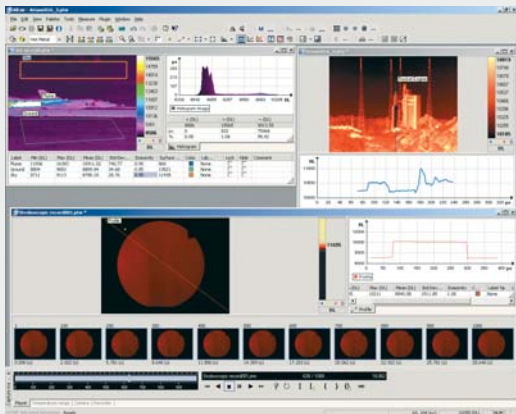
TITANIUM 590VLWIR

High QE, MCT based extended long wave focal plane array camera
7.8 μm to 12 μm spectral response



- > Spectral response from 7.8 μm to 12 μm
- > High sensitivity MCT focal plane array camera
- > High quality thermal images of 320 x 256 pixels
- > Frame rate up to 235 Hz full frame
- > Outstanding thermal sensitivity
- > Wide dynamic range
- > Plug & play interface with CAMLINK / USB2 / GigE
- > Synchronous acquisition of external analogue signals

Compatible with Altair imaging software for radiometric and research applications



Fast and simple

With its GigE Ethernet digital interface, the Titanium VLWIR is compatible with our ALTAIR imaging software. ALTAIR intuitive user interface allows click and go setup of the camera. ALTAIR displays and stores radiometric images at full frame rate to the hard disk with full 14 bit dynamic range.

Advanced image analysis features and functionality dedicated to thermal measurements are standard.

Technical specifications

Imaging Performance

Sensor type	HgCdTe (MCT)
Pixel number	320x256
Sensitivity	<30 mK (typical 25 mk)
Spectral range	7.8 μ m - 12 μ m
Image capture	Snap shot ITR
Frame rate	Programmable up to 235 Hz full frame
Windowing	160 x 128 / 80 x 64
Max Frame rate	30 Hz @ 64 x 3
Trigger input & output	LVTTTL ultra low jitter

Electrical Interfaces

Digital video & commands	CAMLINK / GigE Ethernet
Input voltage	24 VDC
Analogue video	CCIR or RS170 / Composite and S-Video

Mechanical interface

Size (L x W x H) w/o lens	403 x 130 x 168 mm
Weight w/o lens	<9.5 Kg
Base mounting	Standard photo interface

Lenses

Lenses	FOV
F12 mm F/2	44° x 36°
F25 mm F/2	21° x 17°
F50 mm F/2	11° x 8.8°
F100 mm F/2	5.5° x 4.4°
F200 mm F/2	2.75° x 2.2°
Microscope lens G1 F/2	FOV 9.6 mm x 7.7 mm
Microscope lens G3 F/2	FOV 3.2 mm x 2.6 mm
Lens extender	

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
- Attached Video Screen
- Embedded tablet PC
- Industrial grade connectors & cables



The Global Leader in Infrared Cameras

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

FLIR Systems Sarl • 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.cedip-infrared.com