



## Technical specifications

Detector Material	MCT
Spectral Band	7.8 - 12 µm
Image Size	320x256
Pitch	30 µm
Aperture	F/2
Windowing	160x128 / 80x64
Max Frame Rate	33 000 Hz
Integration Time Range	1 - 20000 µs
Integration Time Mode	ITR
Shutter	In place of a filter

### Timings and Signals

External synchronisation	LVTTTL
Analogue signal	1 x (-5 to 5 V) / 2 x (0 to 10 V)
Digital output	Camlink / GigE Ethernet
Video output	PAL or NTSC, Composite or S-Video

### Radiometry

NETD	<30mK (<25mK typical)
Temperature measurement accuracy	± 1° or ± 1%
Filters wheel	4 slots for 1" filter 1 mm thick

### Physical specifications

Size (w/o lens) (LxWxH) (mm)	403 x 130 x 168
Weight (kg) (w/o lens)	9.5
IP Level	IP54
Power Supply	24 VDC
Power Consumption (cooldown / stab)	80 W / 40 W
Operational temperature	-20 °C/+55 °C
Optical Interface	M80 screw thread

Shock & Vibration	Operational 25G/2G, IEC 68-2-29/26
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### Optional lenses

FOV	
12 mm F2	44 x 36 °
25 mm F2	22 x 17 °
50 mm F2	11 x 8.8 °
100 mm F2	5.5 x 4.4 °
200 mm F2	2.75 x 2.2 °
Microscope lens G1 F/2	9.6 x 7.7 mm
Microscope lens G3 F/2	3.2 x 2.6 mm
Lens Extenders	

### 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