FLIR A6261sc

P/N: 29395-261

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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.

Detector data	
Detector Type	FLIR Indium Gallium Arsenide (InGaAs)
Spectral Range	0.9 – 1.7 µm
Resolution	640 x 512
Detector Pitch	15 µm
NEI (33msec Integration Time)	8.4E9 Photons/sec/cm2 (Low Gain), 2.9E9 photons/sec/cm2 (High Gain)
Well Capacity	Low Gain: 1.44 Me-, Medium Gain: 95.7 ke-, High Gain: 19.1 ke-
Operability	> 99.5% (> 99.8% typical)
Sensor Cooling	Single Stage TE Cooler, 30C FPA setpoint

Electronics	
Readout Type	Snapshot
Readout Modes	Asynchronous integrate while read, Asynchronous integrate then read
Synchronization Modes	Sync In, Sync Out
Image Time Stamp	Yes
Integration Time	50 usec to Full Frame
Pixel Clock	50 MHz
Frame Rate (Full Window)	Programmable; 0.0015 Hz to 180 Hz
Subwindow Mode	640x512, 320x256, 160x128, flexible centered windowing down to 32 x 4 (steps of 32 columns, 4 rows)
Dynamic Range	14-bit
On-Camera Image Storage	None
Radiometric Data Streaming	Gigabit Ethernet (GigE Vision)
Standard Video	NTSC or PAL composite
Command and Control	GenICam (GigE)

Temperature Measurement	
Standard Temperature Range	400°C to 1200°C (752°F to 2192°F)
Optional Temperature Range	Up to 1,500°C (2,732°F), Up to 2,100°C (3812°F)
Accuracy	± 1°C or ± 1% of reading

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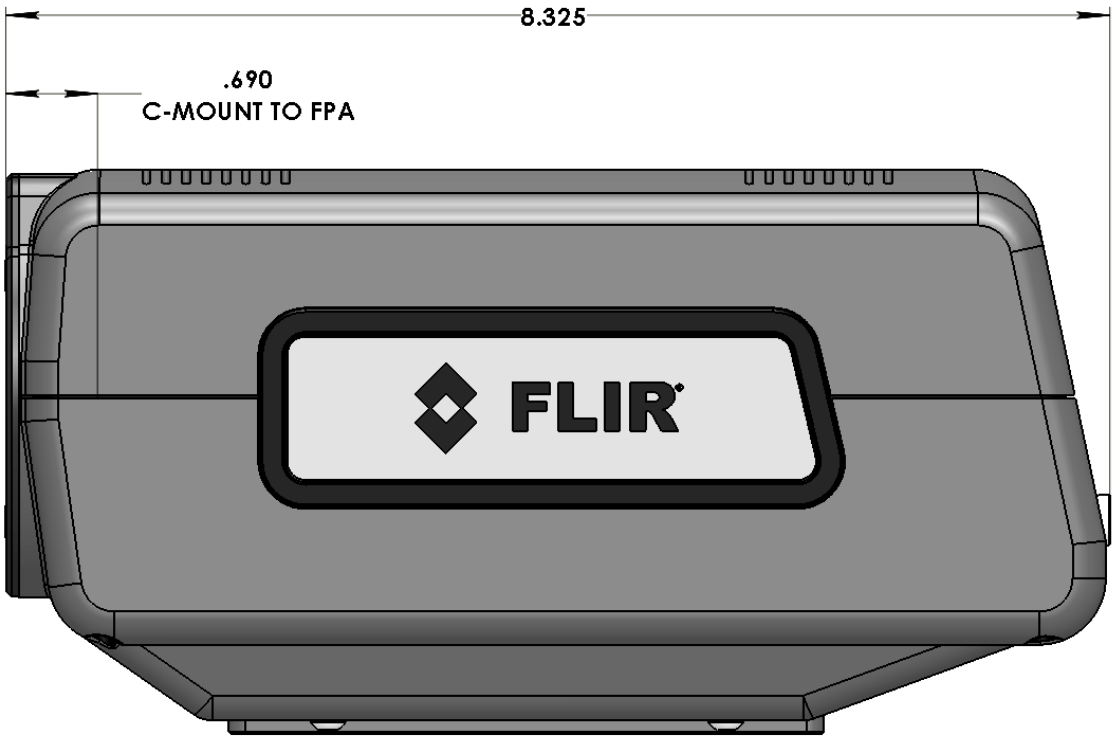
Optics	
Camera f/Number	Variable using lens iris
Available Lenses	16mm, 25 mm, 35mm, 50 mm, 100mm
Close-up Lenses/Microscopes	N/A
Lens Interface	C-mount
Focus	Manual
Filtering	Behind lens mount for standard 1 inch diameter filters

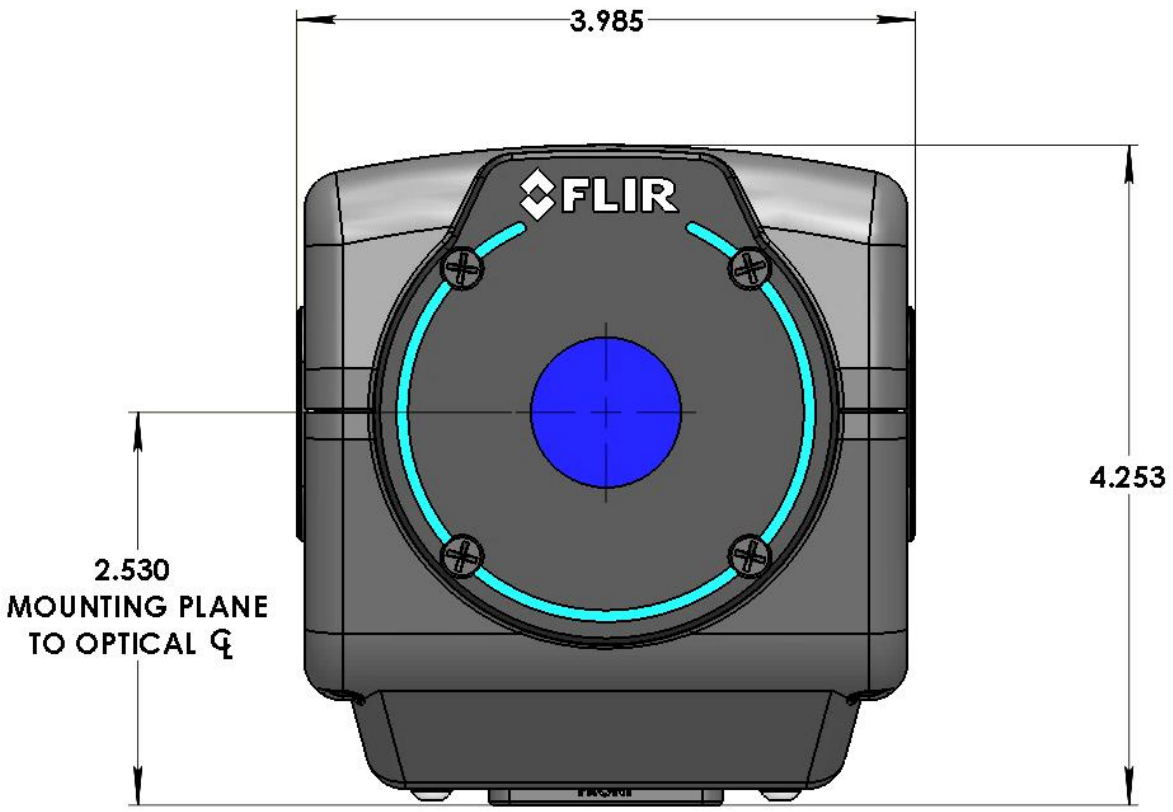
Image/Video Presentation	
Palettes	Selectable 8-bit
Automatic Gain Control	Manual, Linear, Plateau equalization, ROI, DDE
Overlay	Customizable (Date, Integration time, Internal temp, Frame rate, Sync mode, Cooler hours)
Video Modes	NTSC, PAL
Digital Zoom	1x, 4x

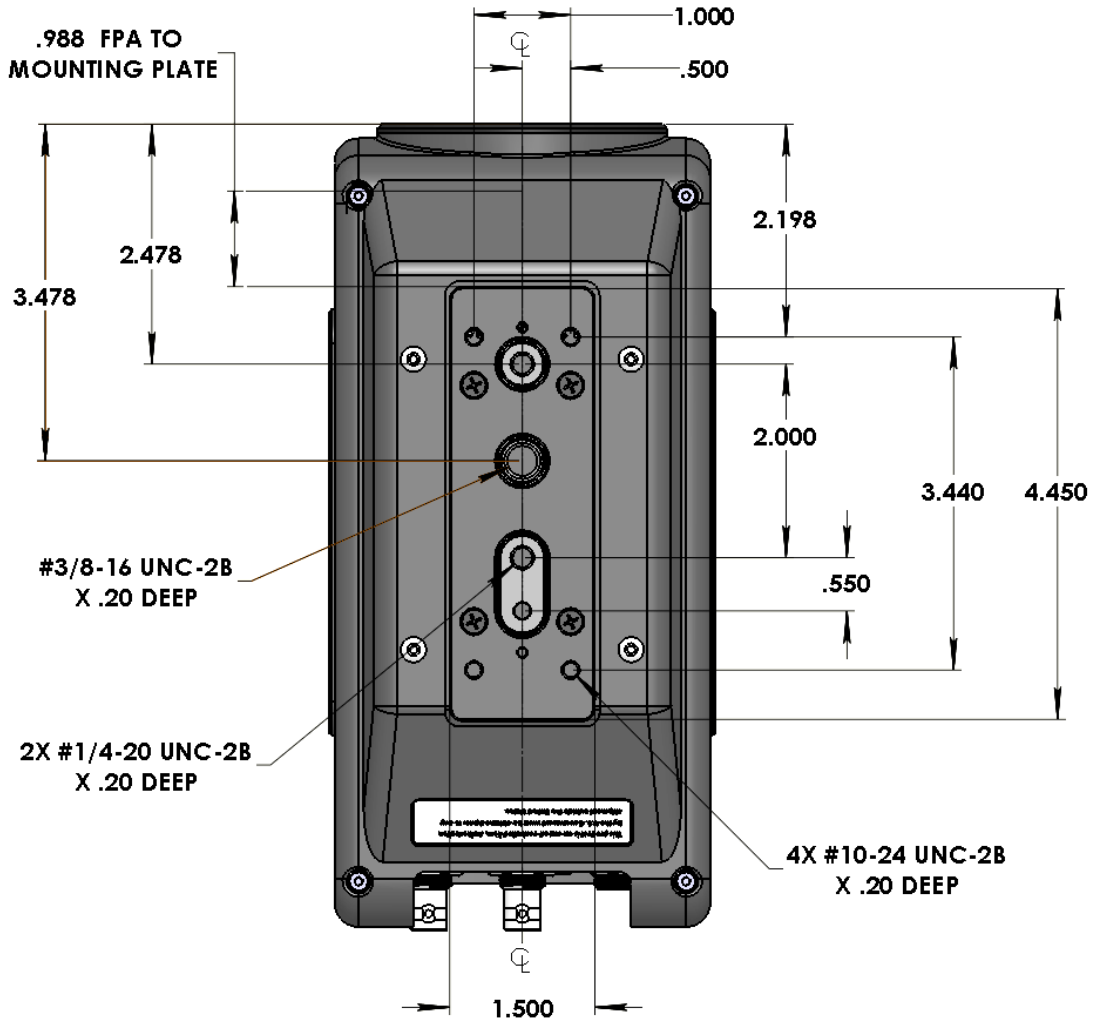
General	
Operating Temperature Range	0°C to 45°C (32°F to 113°F)
Shock/Vibration	40 g, 11 msec ½ sine pulse/4.3 g RMS random vibration, all 3 axes
Power	24 VDC (< 21.25 W steady state)
Weight w/o Lens	2.3 kg (5 lbs)
Size (L x W x H) w/o Lens	216 x 102 x 109 mm (8.5 x 4.0 x 4.3 in.)
Mounting	• 2 x ¼" -20 tapped holes • 1 x 3/8"-16 tapped hole • 4 x 10-24 tapped holes

Supplies & accessories:

- 4142569; Lens, SWIR, 50mm, F1.8, C-Mount
- 4142571; Lens, SWIR, 35mm, F1.4, C-Mount
- 4142572; Lens, SWIR, 25mm, F1.4, C-Mount
- 4142573; Lens, SWIR, 16mm, F1.4, C-Mount
- 4210237; Lens, VisGaAs, 25 mm f/2.0, C-Mount
- 4142574; Lens SWIR 100 mm f/1.5 C-Mount


8.325
.690
C-MOUNT TO FPA
FLIR


3.985
FLIR
4.253
2.530
MOUNTING PLANE
TO OPTICAL ℄


.988 FPA TO
MOUNTING PLATE
1.000
.500
2.198
2.478
3.478
2.000
3.440
4.450
.550
#3/8-16 UNC-2B
X .20 DEEP
2X #1/4-20 UNC-2B
X .20 DEEP
4X #10-24 UNC-2B
X .20 DEEP
1.500