FLIR A6751 SLS

P/N: 29439-251

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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.

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Specifications	
System Overview	A6751 SLS
Detector Type	Strained-Layer Superlattice
Spectral Range	7.5 µm (lower), 10-11 µm (upper)
Resolution	640 x 512
Pixel Size (square)	15 µm
Thermal Sensitivity/NETD	≤ 45 mK (≤ 40mK typical)
Operability	≥ 98% (≥ 99% typical)
Sensor Cooling	Closed-cycle rotary

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	480 ns to Full Frame
Pixel Clock	50 MHz
Frame Rate (Full Window)	Programmable; 0.0015 Hz to 125Hz
Subwindow Mode	Flexible windowing down to 16 x 4 (steps of 16 columns, 4 rows)
Dynamic Range	14-bit
On-Camera Image Storage	None
Radiometric Data Streaming	Gigabit Ethernet (GigE Vision)
Standard Video	SDI
Command and Control	GenICam (GigE)

Temperature Measurement	
Standard Temperature Range (with band matched optics)	-20°C to 350°C (-4°F to 662°F)
Optional Temperature Range (with band matched optics)	250°C to 2000°C (ND1) 500°C to 3000°C (ND2)
Accuracy	≤ 100°C ±2°C (±1°C typical), > 100°C ±2% of reading (±1% typical)
Ambient Drift Compensation (with factory cal)	Yes

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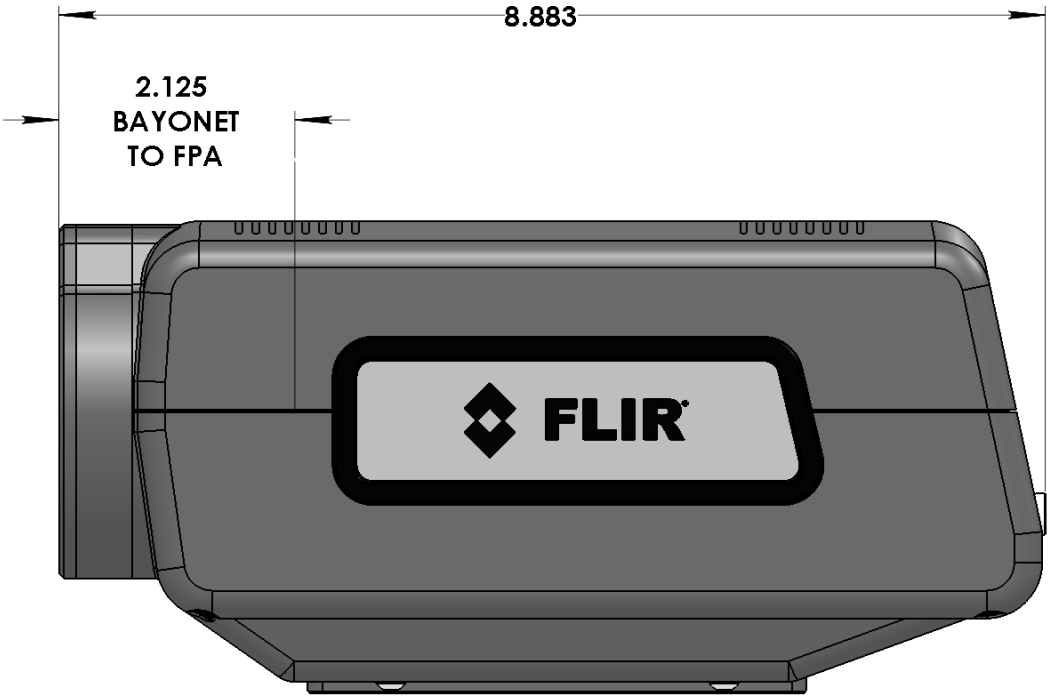
Optics	
Camera f/Number	f/2.5
Available Lenses	17mm, 25 mm, 50 mm, 100 mm, 200 mm
Close-up Lenses/Microscopes	1X
Lens Interface	FLIR HDC (4-tab bayonet)
Focus	Manual
Filter Holder (Warm)	Behind lens mount for standard 1 inch diameter filters

Image/Video Presentation	
Palettes	Selectable 8-bit
Automatic Gain Control	Manual, Linear, Plateau equalization, DDE
Overlay	Fixed configuration, can be turned off
Video Modes	SDI: 720p@50/59.9/60Hz
Standard Video Zoom	Auto, best fit

General	
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)
Power	24 VDC (< 24 W steady state)
Weight w/o Lens	2.3 kg (5 lbs)
Size (L x W x H) w/o Lens	226 x 102 x 109 mm (8.9 x 4.0 x 4.3 in.)
Mounting	2 x 1/4" -20 tapped holes 1 x 3/8"-16 tapped holes 4 x 10-24 tapped holes
Export Classification	ECCN 6A003.b.4.a
Declaration of conformity	See: https://support.flir.com/resources/DoC

Supplies & accessories:

- 4215503; Lens 7.5-12 um 100 mm f/2.5 FPO Manual Bayonet
- 4215424; Lens 7.5-12 um 17 mm f/2.5 FPO Manual Bayonet
- 4215505; Lens 7.5-12 um 200 mm f/2.5 FPO Manual Bayonet
- 4215496; Lens 7.5-12 um 25 mm f/2.5 FPO Manual Bayonet
- 4215501; Lens 7.5-12 um 50 mm f/2.5 FPO Manual Bayonet
- 4213642; Lens 7.5-12 um, 1X microscope, f/2.5 FPO Manual Bayonet
- 4227599; FLIR Science Camera Power Supply
- 4233062; Cooled Science A and X Camera Microscope Stand
- 4232535; FLIR Research Studio, Professional Edition - 1 Year Subscription (online activation)
- 4232556; FLIR Research Studio, Professional Edition - Perpetual License (online activation)
- 4232590; FLIR Research Studio, Professional Edition - Perpetual License (USB dongle)
- 4220499; FLIR Research Studio, Standard Edition - 1 Year Subscription (online activation)
- 4220500; FLIR Research Studio, Standard Edition - Perpetual License (online activation)
- 4220646; FLIR Research Studio, Standard Edition - Perpetual License (USB dongle)
- 4232591; FLIR ResearchIR to Research Studio, Professional Edition - 1 Year License Upgrade
- 4224157; FLIR Science Camera SDK
- 4216760; FLIR Science File SDK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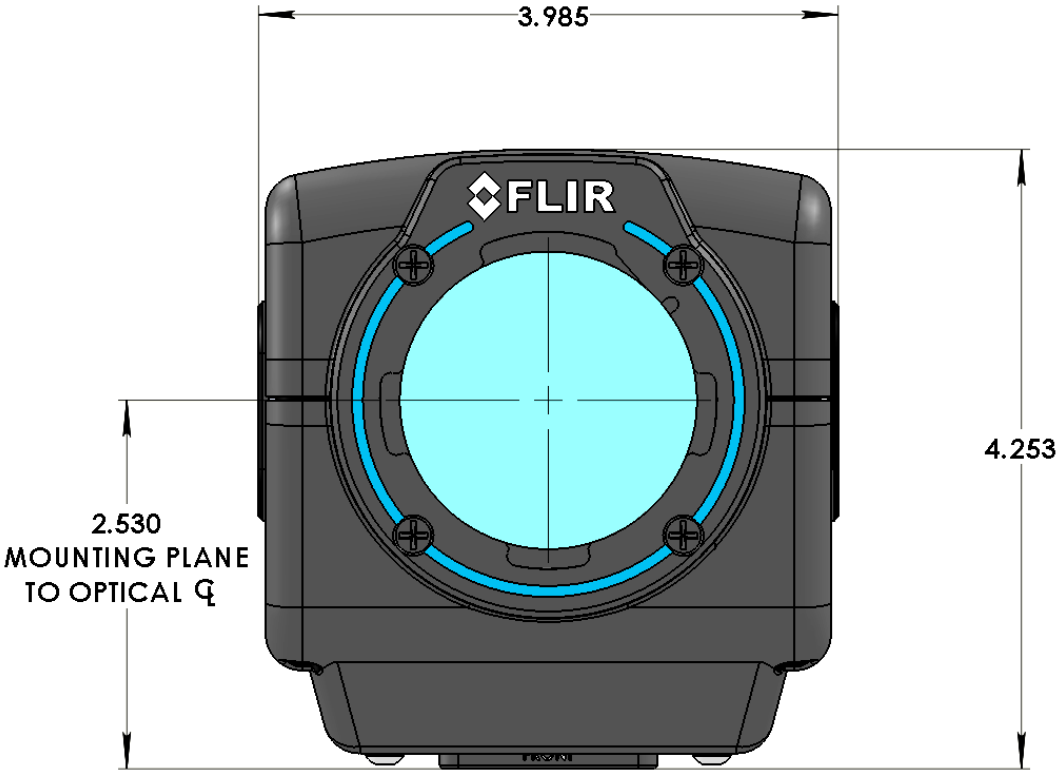
TO FPA
FLIR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FLIR
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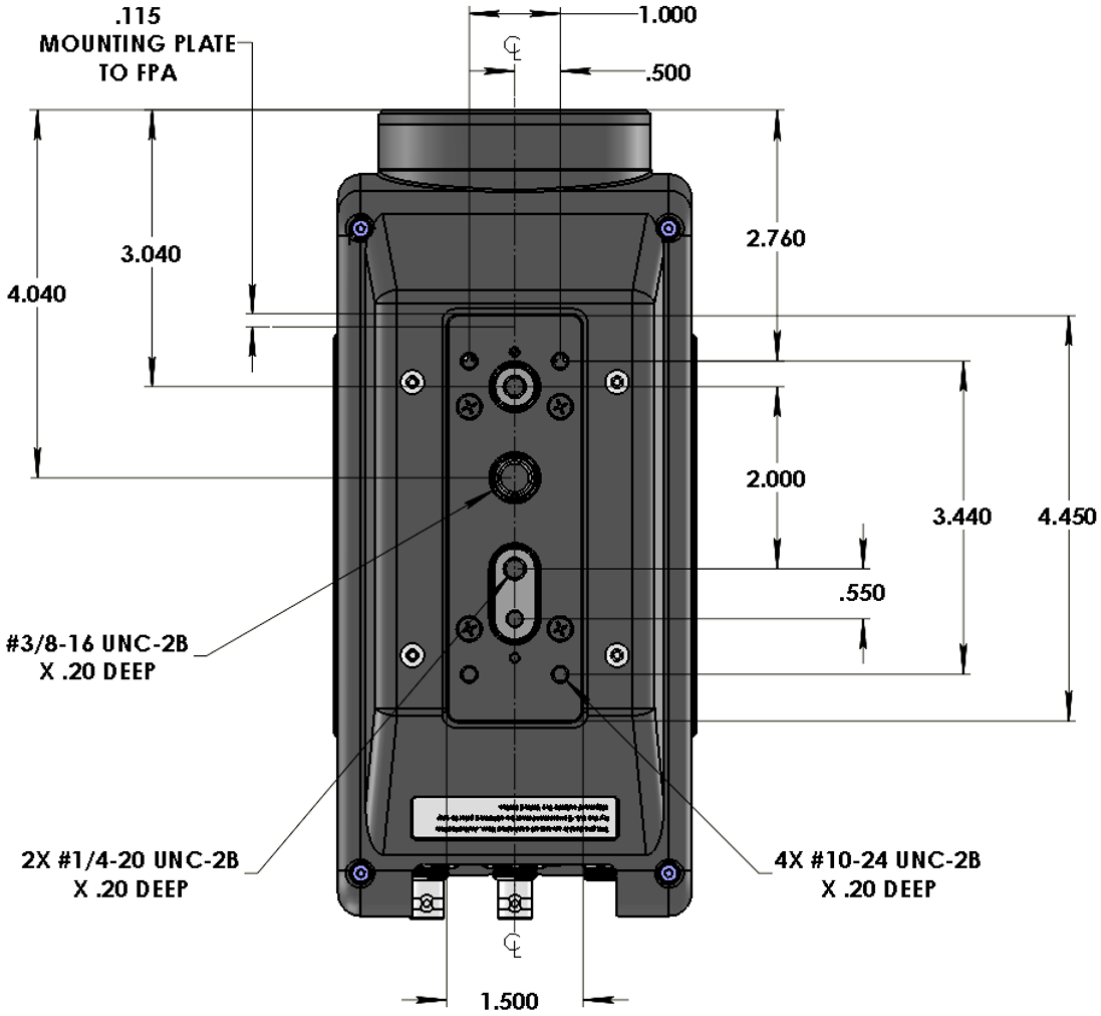
MOUNTING PLANE
TO OPTICAL ℄



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