

P/N: 29350-200

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Document identity

Publ. No.: 29350-200

Release:

Commit: 49887

Language: en-US

Modified: 2018-05-16

Formatted: 2018-05-23

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 Antimonide (InSb)
Spectral Range	1.0 – 5.0 µm
Resolution	640 x 512
Detector Pitch	15 µm
Thermal Sensitivity/NETD	< 25 mK
Well Capacity	7.2 M electrons
Operability	> 99.8% (> 99.95% typical)
Sensor Cooling	Closed-cycle rotary
Electronics	
Readout Type	Snapshot
Readout Modes	Asynchronous integrate while read Asynchronous integrate then read
Synchronization Modes	Sync In
Image Time Stamp	Yes
Integration Time	480 ns to Full Frame
Pixel Clock	50 MHz
Frame Rate (Full Window)	Programmable; 0.0015 Hz to 60 Hz
Subwindow Mode	Full, Half and Quarter Window
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	-20°C to 350°C (-4°F to 662°F)
Optional Temperature Range	Up to 1,500°C (2,732°F), Up to 2,000°C (3,632°F), Up to 3,000°C (5,432°F)
Accuracy	± 1°C or ± 1% of reading: <ul style="list-style-type: none"> 0°C to +3000°C (25 mm, 50 mm, 100 mm lenses) ± 2°C or ± 2% of reading: <ul style="list-style-type: none"> -20°C to 0°C (25 mm, 50 mm, 100 mm lenses)
Ambient Drift Compensation (with factory cal)	Yes



FLIR A6700sc

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Optics	
Camera f/Number	f/2.5
Available Lenses	25 mm, 50 mm, 100mm
Close-up Lenses/Microscopes	No microscopes available
Lens Interface	FLIR HDC (4-tab bayonet)
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, DDE
Overlay	Fixed configuration, can be turned off
Video Modes	NTSC, PAL
Digital Zoom	1x, 2x
General	
Operating Temperature Range	-20°C to 50°C (-4°F to 122°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	<ul style="list-style-type: none">• 2 x ¼" -20 tapped holes• 1 x 3/8"-16 tapped hole• 4 x 10-24 tapped holes

Supplies & accessories:

- 29425-100; Lens 1-5 um 100 mm f/2.5 HDC Bayonet
- 29425-025; Lens 1-5 um 25 mm f/2.5 HDC Bayonet
- 29425-050; Lens 1-5 um 50 mm f/2.5 HDC Bayonet
- INST-EW-0200; Extended Warranty 1 Year for A67XXsc
- INST-EWGM-0200; Extended Premier Warranty 1 Year for A67xxsc, G300a
- INST-GM-0200; Calibration incl General Maintenance for RS6700, A67XXsc, A6604, SC4000, SC610X, SC670X, SC8000, SC8X4X, SC820X, SC6000





