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FLIR A68 42°

P/N: 11302-0102

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Document identity

Publ. No.: 11302-0102

Commit: 92031

Language:

Modified: 2023-05-23

Formatted: 2023-05-23

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.



General description	
The FLIR A68 is a thermal camera in a very small form factor, designed for machine vision applications where temperature accuracy is not top priority, but rather a stable GigE Vision feed. With 640 x 480 IR resolution and 30 Hz frame rate, it is the ultimate choice for machine vision integration.	
The FLIR A68 is GigE Vision and GenICam compliant, and compatible with the FLIR Spinnaker SDK, the Teledyne Spera SDK, and third party SDKs.	
Key features:	
<ul style="list-style-type: none"> • Compact • GigE Vision and GenICam compliant • Power over Ethernet (PoE) • 8-bit or 16-bit IR stream at 640 x 480 • Fix focus, adjustable with allen key 	
Imaging and optical data	
Infrared resolution	640 x 480 pixels
Thermal sensitivity (NETD)	< 50 mK @ 25°C ambient
Field of view (FOV)	42.1° x 31.9°
Minimum focus distance	1.3 m (4.3 ft)
Focal length	14.2 mm (0.56 in)
f-number	1.24
Image frequency	30 Hz
Focus	Fixed
Detector data	
Spectral range	8–14 μm (LWIR)
Detector pitch	17 μm
Ethernet	
Interface	Wired
Connector type	RJ-45
Ethernet, purpose	Control, image, and power
Ethernet, type	Gigabit Ethernet
Ethernet, standard	IEEE 802.3



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#11302-0102; r. 92031;

Ethernet	
Ethernet, communication	GigE Vision / GenICam
Ethernet, power	Power over Ethernet (PoE)
Ethernet, protocols	GigEVision
Pixel format	Mono8 or 16-bit/pixel
Power system	
Power consumption, typical	<ul style="list-style-type: none"> • 12 V: 2.8 W • 24 V: 2.8 W • PoE (48 V): 3.5 W
Power consumption, maximum	<ul style="list-style-type: none"> • 12 V: 4.4 W • 24 V: 4.4 W • PoE (48 V): 4.8 W
Environmental data	
Operating temperature range	-35°C to +60°C (-31°F to +140°F)
Storage temperature range	-40 to 80°C (-40 to 176°F) To avoid possible damage during storage, ensure that the sensor is not exposed to air. Use a lens cap or lens to cover the sensor.
Humidity (operating and storage)	Maximum 80% relative humidity, non-condensating
EMC	See User manual: https://support.flir.com/resources/4rur
Shock	See User manual: https://support.flir.com/resources/4rur
Vibration	See User manual: https://support.flir.com/resources/4rur
Safety	See User manual: https://support.flir.com/resources/4rur
Declaration of conformity	See: https://support.flir.com/resources/DoC
Physical data	
Weight (without lens)	67 g (2.4 oz)
Size (L x W x H, without lens)	59 x 29 x 36 mm (2.32 x 1.14 x 1.42 in)
Tripod mounting	UNC 1/4"-20
Color	Black
Shipping information	
Packaging, type	Cardboard box
Packaging, contents	<ul style="list-style-type: none"> • Infrared camera
Packaging, weight	0.23 kg (0.51 lb)
Packaging, size	130 x 140 x 100 mm (5.1 x 5.5 x 3.9 in)
EAN-13	7332558029510
UPC-12	845188026578
Country of origin	Canada