

Flea®3 FL3-U3-13E4M-C 1/1.8" Monochrome USB 3.0 Camera

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Stock **#87-431** **2 In Stock**

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

SPECIFICATIONS

General

Monochrome Camera

Type:

FL3-U3-13E4M-C	Model Number:
FLIR	Manufacturer:
Flea®3	Camera Series:
Monochrome	Spectrum:
Physical & Mechanical Properties	
29 x 29 x 30 (excludes connectors and lens mount)	Dimensions (mm):
41	Weight (g):
Full	Housing:
Sensor	
32MB	Image Buffer:
1/1.8"	Sensor Format:
1.30	Resolution (Megapixels):
60.00	Frame Rate (fps):
1,280 x 1,024	Pixels (H x V):
5.3 x 5.3	Pixel Size, H x V (µm):
6.78 x 5.43	Sensing Area, H x V (mm):
e2v EV76C560	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
10 bit	Pixel Depth:
16µs - 1s	Exposure Time:
50.29	Dynamic Range (dB):
USB3 Vision v1.0	Machine Vision Standard:
Electrical	
<3	Power Consumption (W):
Hardware & Interface Connectivity	
USB 3.0	Interface:
USB 3.0, Micro-B with Screw Locks	Connector:
Power over USB or via GPIO with #86-784	Power Supply:
1 opto-isolated input, 2 opto-isolated outputs, 2 non-isolated bi-directional ports	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
8-pin Hirose (HR25)	GPIO Connector Type:
5.00	Transfer Speed (Gbit/s):
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #88-210	Mounting Threads:

Environmental & Durability Factors	
0 to +45	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	Reach 240:

PRODUCT DETAILS

USB 3.0 cable ([#86-770](#)) is required for operation. Software available for [download](#).

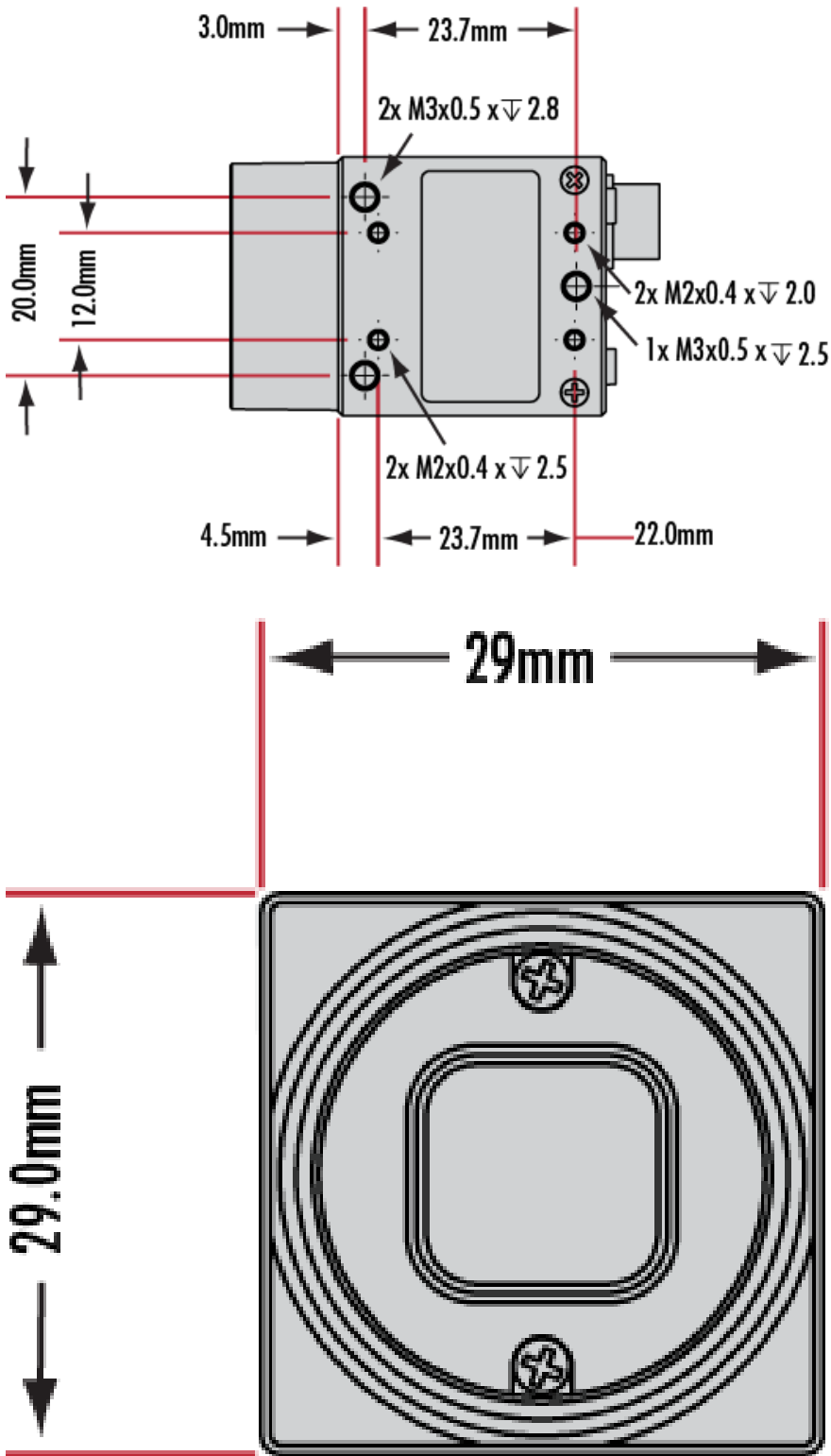
- Compact 29 x29 x30mm Design
- Captures Images at up to 150fps
- Image Capture Software and ¼-20 Tripod Adapter are Included
- [GigE Models](#) Also Available

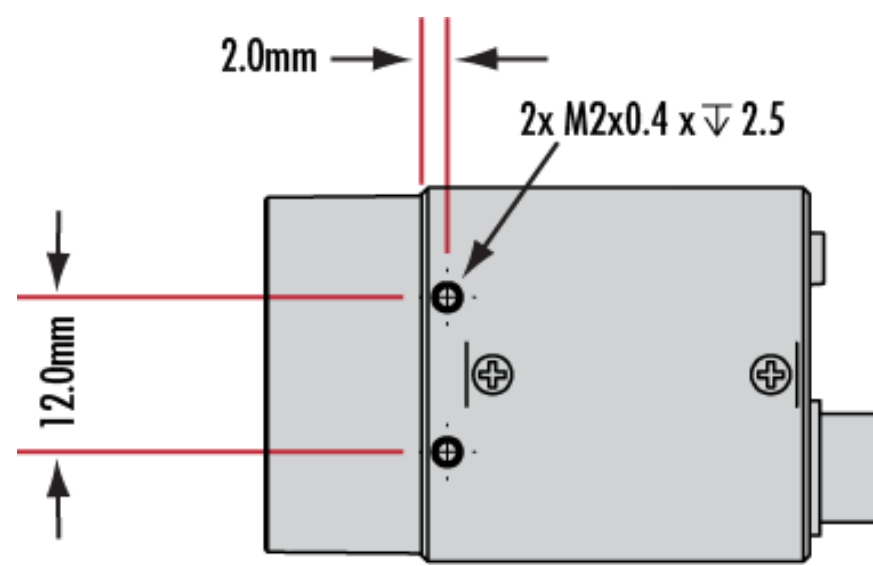


FLIR Flea®3 USB 3.0 Cameras are ideal for applications requiring low-cost, high-speed cameras with compact designs. The use of USB 3.0 provides transfer rates of up to 5Gbits/s. To ease integration, image capture software is included for optional download. FLIR Flea®3 USB 3.0 Cameras are capable of capturing images at up to 150fps at 1.3MP resolution. The compact 29 x29 x30mm cameras are offered in monochrome or color.

Note: USB 3.0 cable ([#86-770](#)) is required for operation. Software available for [download](#). FLIR was previously known as Point Grey.

TECHNICAL INFORMATION

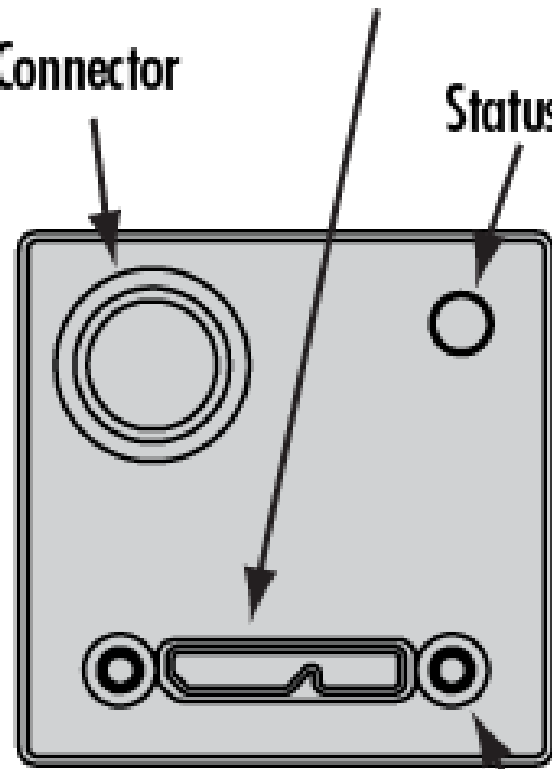




USB3 Connector

GPIO Connector

Status LED



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