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

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- 1 + €810<sup>00</sup>

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

### Product Downloads

Monochrome **Spectrum:**

### General

Monochrome Camera **Type:**

FL3-U3-13E4M-C

**Model Number:**

FLIR

**Manufacturer:**

Flea@3

**Camera Series:**

## Physical & Mechanical Properties

**Dimensions (mm):**  
29 x 29 x 30 (excludes connectors and lens mount)

**Weight (g):**  
41

**Housing:**  
Full

## Sensor

**Image Buffer:**  
32MB

**Sensor Format:**  
1/1.8"

**Resolution (Megapixels):**  
1.30

**Frame Rate (fps):**  
60.00

**Pixels (H x V):**  
1,280 x 1,024

**Pixel Size, H x V (µm):**  
5.3 x 5.3

**Sensing Area, H x V (mm):**  
6.78 x 5.43

**Imaging Sensor:**  
e2v EV76C560

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Global

**Pixel Depth:**  
10 bit

**Exposure Time:**  
16µs - 1s

**Dynamic Range (dB):**  
50.29

**Machine Vision Standard:**  
USB3 Vision v1.0

## Electrical

**Power Consumption (W):**  
<3

## Hardware & Interface Connectivity

**Interface:**  
USB 3.0

**Connector:**  
USB 3.0, Micro-B with Screw Locks

**Power Supply:**  
Power over USB or via GPIO with [#86-784](#)

**GPIOs:**  
1 opto-isolated input, 2 opto-isolated outputs, 2 non-isolated bi-directional ports

**Synchronization:**  
Hardware Trigger (GPIO) or Software Trigger

**Interface Port Orientation:**  
Back Panel

**GPIO Connector Type:**  
8-pin Hirose (HR25)

**Transfer Speed (Gbit/s):**  
5.00

## Threading & Mounting

**Mount:**  
C-Mount

**Mounting Threads:**  
¼-20 with Tripod Mount Adapter [#88-210](#)

## Environmental & Durability Factors

Operating Temperature (°C):  
0 to +45

Storage Temperature (°C):  
-30 to +60

## 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 x 29 x 30mm Design
- Captures Images at up to 150fps
- Image Capture Software and 1/4-20 Tripod Adapter are Included
- [GgE Models](#) Also Available

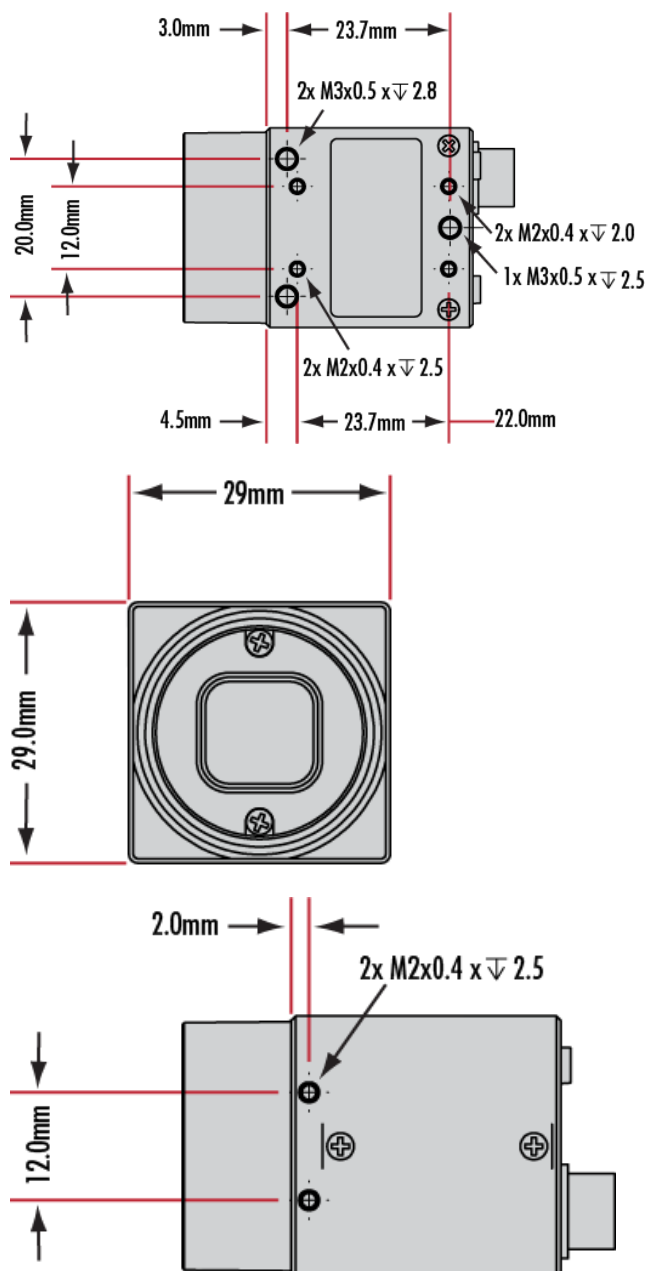


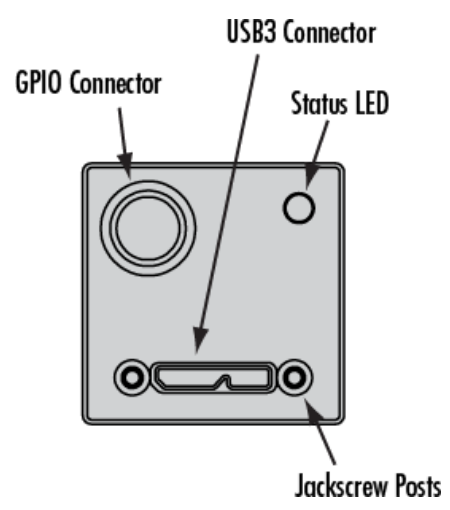
Teledyne  
Authorized  
Distributor

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 x 29 x 30mm 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





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