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

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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

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:**

¼-20 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 x 29 x 30mm Design
- Captures Images at up to 150fps
- Image Capture Software and 1/4-20 Tripod Adapter are Included
- [GigE 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



