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CM3-U3-13Y3M-CS 1/2" Chameleon®3 Monochrome Camera

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USB 3.0 FLIR Chameleon Camera



Stock #33-162 **5 In Stock**

- 1 + €415⁰⁰

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

Product Downloads

Monochrome

Spectrum:

General

Monochrome Camera

Type:

CMB-U3-13Y3M-CS	Model Number:
FLIR	Manufacturer:
Chameleon@3	Camera Series:

Physical & Mechanical Properties

44 x 35 x 22.1 (excludes connectors and lens mount)	Dimensions (mm):
54.9	Weight (g):
Full	Housing:

Sensor

16MB	Image Buffer:
1/2"	Sensor Format:
1.30	Resolution (Megapixels):
149.00	Frame Rate (fps):
1,280 x 1,021	Pixels (H x V):
4.8 x 4.8	Pixel Size, H x V (µm):
6.14 x 4.9	Sensing Area, H x V (mm):
ON Semi PYTHON 1300	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
10 bit	Pixel Depth:
10µs - 1s	Exposure Time:
55.84	Dynamic Range (dB):
USB3 Vision v1.0	Machine Vision Standard:

Electrical

Not Specified	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.0	Interface:
USB 3.1 Gen 1, Micro-B with Screw Locks	Connector:
Power over USB or via GPIO	Power Supply:
1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Side Panel	Interface Port Orientation:
9-pin JST	GPIO Connector Type:

Threading & Mounting

CS-Mount	Mount:
1/4-20 with Tripod Mount Adapter #88-210	Mounting Threads:

Environmental & Durability Factors

0 to +45	Operating Temperature (°C):
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-30 to +60

Storage Temperature (°C):

Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Contains SVHC\(s\)](#)

Reach 240:

Product Details

- USB3 Connectivity
- Lightweight Construction
- Compact Design



Teledyne
Authorized
Distributor

Teledyne FLIR IIS Chameleon®3: Easy integration with USB3

Compact USB3 cameras

The **Chameleon®3** camera line combines popular CCD and CMOS image sensors with the ease of use of USB 3.0, with a compact form factor and camera sensor resolutions ranging from 1.3 MP to 5.0 MP.

These cameras feature a compact 44 x 35 x 19.5mm lightweight metal case designed for reliability. They offer multiple mounting points and a locking USB 3.0 connection. The camera includes an on-camera frame buffer for image retransmission and an optoisolated GPIO with a locking connection.

Features

- Compact form factor
- On-camera image processing: color interpolation, gamma, & LUT
- Data interface: USB3
- 16 MByte frame buffer
- LED Status indicator
- Spinnaker SDK and FlyCapture interfaces

Applications

- Life science instrumentation
- Factory automation
- Biometrics kiosk solutions
- Ophthalmoscopy
- 3D scanning
- Automated optical inspection