

CM3-U3-31S4C-CS 1/1.8" Chameleon®3 Color Camera

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USB 3.0 FLIR Chameleon Camera



Stock #36-076 **14 In Stock**

− 1 + A\$920⁰⁰

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SPECIFICATIONS

General

Color Camera

Type:

CM3-U3-31S4C-CS	Model Number:
FLIR	Manufacturer:
Chameleon@3	Camera Series:
Color	Spectrum:

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:
1/1.8"	Sensor Format:
3.20	Resolution (Megapixels):
55.00	Frame Rate (fps):
2,048 x 1,536	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
7.07 x 5.3	Sensing Area, H x V (mm):
Sony IMX265	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
11µs - 32s	Exposure Time:
71.38	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)	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):**

-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 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
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