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

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USB 3.0 FLIR Chameleon Camera



Stock **#36-076** **2 In Stock**

1 MRP ₹67,850

Price inclusive of all taxes

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Color Spectrum:

General

Color Camera Type:

CM3-U3-31S4C-CS Model Number:

FLIR
Chameleon®3

Manufacturer:
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:

1/1.8"

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):

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:

Canada

Country of Origin:

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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