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# CM3-U3-13Y3C-S-BD 1/2" Chameleon®3 Color Camera

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USB 3.0 FLIR Chameleon Camera



Stock **#70-323** **2 In Stock**

-

1

+

C\$581<sup>00</sup>

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| Color             |  | Spectrum:     |
| General           |  |               |
| Color Camera      |  | Type:         |
| CM3-U3-13Y3C-S-BD |  | Model Number: |
|                   |  | Manufacturer: |

|                                                                                    |                             |
|------------------------------------------------------------------------------------|-----------------------------|
| FLIR                                                                               |                             |
| Chameleon®3                                                                        | Camera Series:              |
| Physical & Mechanical Properties                                                   |                             |
| 40 × 31 (board level)                                                              | Dimensions (mm):            |
| 27.9                                                                               | Weight (g):                 |
| Board Level                                                                        | Housing:                    |
| Sensor                                                                             |                             |
| 16MB                                                                               | Image Buffer:               |
| 1/2"                                                                               | Sensor Format:              |
| 1.30                                                                               | Resolution (Megapixels):    |
| 149.00                                                                             | Frame Rate (fps):           |
| 1,280 x 1,024                                                                      | Pixels (H x V):             |
| 4.8 x 4.8                                                                          | Pixel Size, H x V (µm):     |
| 6.14 x 4.92                                                                        | 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:              |
| 56.19                                                                              | Dynamic Range (dB):         |
| USB3 Vision v1.0                                                                   | Machine Vision Standard:    |
| 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                                                               |                             |
| S-Mount (M12 x 0.5)                                                                | 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                                                              |                             |
| View                                                                               | Certificate of Conformance: |

# Product Details

- USB3 Connectivity
- Lightweight Construction
- Compact Design



## Teledyne FLIR IIS Chameleon®3: Easy integration with USB3

Ccompact 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