

1550nm NIR 2.8MP USB 3.1 Camera



Stock #29-548 **3 In Stock**

⊖ 1 ⊕ C\$10,024⁰⁰

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NIR **Spectrum:**

General

NIR Camera **Type:**

Scintacor **Manufacturer:**

Physical & Mechanical Properties

29 x 29 x 39	Dimensions (mm):
53	Weight (g):
Full	Housing:
Sensor	
2/3"	Sensor Format:
2.80	Resolution (Megapixels):
95.00	Frame Rate (fps):
1,936 x 1,464	Pixels (H x V):
4.5 x 4.5	Pixel Size, H x V (µm):
8.71 x 6.58	Sensing Area, H x V (mm):
Sony IMX429	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
12 µs to 30 sec	Exposure Time:
70.77	Dynamic Range (dB):
Electrical	
4.2	Power Consumption (W):
Hardware & Interface Connectivity	
USB 3.1	Interface:
USB 3.1	Connector:
Power over USB	Power Supply:
1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
7-pin JST	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
Environmental & Durability Factors	
0 to 50	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- 1550nm Designed Wavelength
- Phosphor Coated Camera Sensor
- Includes Camera, Cable, and Easy-to-Use Software
- [UV](#) Versions Available

CamIR 1550nm NIR USB 3.1 Cameras are designed with phosphor-based scintillators allowing for the camera to image in the near infrared (NIR) and providing an excellent alternative to InGaAs detectors. These cameras are available in 1.6MP or 2.8MP options, with the 1.6MP camera being CS-Mount and the 2.8MP camera being C-Mount. Featuring 1550nm designed wavelengths, these cameras have a wavelength range of 1495 – 1595nm. CamIR 1550nm NIR USB 3.1 Cameras ship with the camera, cable, USB drive containing software, and a getting started guide to make set up simple. These cameras are ideal for laser alignment, telecommunications testing, and inspection applications.

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