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1550nm NIR 1.6MP USB 3.1 Camera

Stock **#29-547** **7 In Stock**

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Spectrum:
NIR

General

Type:
NIR Camera

Manufacturer:
Scintacor

Physical & Mechanical Properties

Dimensions (mm):	27 x 27 x 14.5
Weight (g):	20
Housing:	Full

Sensor

Sensor Format:	1/2.9"
Resolution (Megapixels):	1.60
Frame Rate (fps):	60.00
Pixels (H x V):	1,440 x 1,080
Pixel Size, H x V (µm):	3.45 x 3.45
Sensing Area, H x V (mm):	4.97 x 3.73
Imaging Sensor:	Sony IMX296
Type of Sensor:	Progressive Scan CMOS
Shutter Type:	Global
Pixel Depth:	10 bit
Exposure Time:	29 µs to 30 sec
Dynamic Range (dB):	66.03

Electrical

Power Consumption (W):	2.2

Hardware & Interface Connectivity

Interface:	USB 3.1
Connector:	USB 3.1
Power Supply:	Power over USB
GPIOs:	1 opto-isolated input, 1 opto-isolated output, 1 non-isolated bi-directional, 1 non-isolated input
Synchronization:	Hardware Trigger (GPIO) or Software Trigger
Interface Port Orientation:	Back Panel
GPIO Connector Type:	7-pin JST

Threading & Mounting

Mount:	CS-Mount

Environmental & Durability Factors

Operating Temperature (°C):	0 to 50
Storage Temperature (°C):	-30 to +60

Regulatory Compliance

Certificate of Conformance:	View

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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