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1550nm NIR 1.6MP USB 3.1 Camera

Stock **#29-547**   CONTACT US

(-)   1   (+)   **S$6,951**.⁰⁰

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Product Downloads	

	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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