

## 1550nm NIR 2.8MP USB 3.1 Camera



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### Product Downloads

NIR **Spectrum:**

### General

NIR Camera **Type:**

Scintacor **Manufacturer:**

### Physical & Mechanical Properties

29 x 29 x 39	<b>Dimensions (mm):</b>
53	<b>Weight (g):</b>
Full	<b>Housing:</b>

## Sensor

2/3"	<b>Sensor Format:</b>
2.80	<b>Resolution (Megapixels):</b>
95.00	<b>Frame Rate (fps):</b>
1,936 x 1,464	<b>Pixels (H x V):</b>
4.5 x 4.5	<b>Pixel Size, H x V (µm):</b>
8.71 x 6.58	<b>Sensing Area, H x V (mm):</b>
Sony IMX429	<b>Imaging Sensor:</b>
Progressive Scan CMOS	<b>Type of Sensor:</b>
Global	<b>Shutter Type:</b>
12 bit	<b>Pixel Depth:</b>
12 µs to 30 sec	<b>Exposure Time:</b>
70.77	<b>Dynamic Range (dB):</b>

## Electrical

4.2	<b>Power Consumption (W):</b>
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## Hardware & Interface Connectivity

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

## Threading & Mounting

C-Mount	<b>Mount:</b>
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## Environmental & Durability Factors

0 to 50	<b>Operating Temperature (°C):</b>
-30 to +60	<b>Storage Temperature (°C):</b>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## 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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