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1/2" CCD NIR (1460-1600nm) Analog Camera, EIA

1460-1600nm Near-Infrared Camera (Front)

Stock **#56-567** **5 In Stock**

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Spectrum:

NIR

General

Type:

NIR Camera

Manufacturer:

Scintacor

Physical & Mechanical Properties

Dimensions (mm):
64.6 x 34 x 37 (includes connectors and lens mount)

Weight (g):
90

Housing:
Full

Sensor

Sensor Format:
1/2"

Resolution (Megapixels):
0.30

Pixels (H x V):
768 x 494

Pixel Size, H x V (µm):
8.4 x 9.8

Sensing Area, H x V (mm):
6.4 x 4.8

Type of Sensor:
Interlaced CCD

Exposure Time:
1/60 - 1/100,000s

Dynamic Range (dB):
Not Specified

Signal Format:
EIA

Electrical

Power Consumption (W):
Not Specified

Hardware & Interface Connectivity

Interface:
Analog

Connector:
Analog, BNC

Power Supply:
Separate Power Supply (Included)

GPIOs:
N/A

Synchronization:
Internal

Interface Port Orientation:
Back Panel

GPIO Connector Type:
None

Power Requirement:
12 V DC, 160 mA

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 (Integrated into Housing)

Environmental & Durability Factors

Operating Temperature (°C):
-10 to +40

Storage Temperature (°C):
Not Specified

Regulatory Compliance

Reach 191:
Compliant

RoHS 2015:
Compliant

Certificate of Conformance:
View

Product Details

- Low Cost
- Compact Size

- Standard Analog Video Output
- High Speed Electronic Shutter

This near IR camera utilizes a high resolution CCD array that has been specially treated with a phosphor coating. The result is a camera that has an effective response between 1460nm to 1600nm at a cost much lower than seen with other detector technologies. The high-speed electronic shutter allows for easy attenuation of high-level signals often associated with laser applications. Features a maximum CW power saturation of 100mW/cm^2 at 1550nm. The camera is ideal for applications including laser alignment, telecommunication testing, as well as inspection. While standard CCD lenses can be utilized in the near IR, their optical designs and coating are generally not optimized for this region of the spectrum. We recommend video lenses designed specifically for the near IR region.