PHOTONNOV

INNOVATION IN PHOTONICS

Spectral DEVICES INC.

Multispectral Camera

8-Band Near Infrared

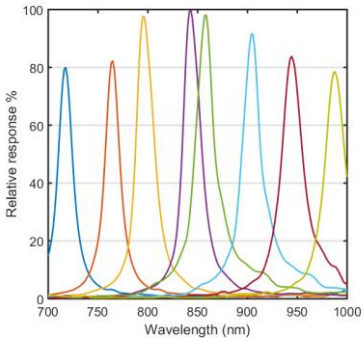
Our 8-band near infrared multispectral camera incorporates a high performance CMOS sensor that is modified with Spectral Devices proprietary pixelated filter array technology. This versatile camera simultaneously captures images at 8 distinct bands at full frame rate. No need for additional filters, filter wheels, or tunable filters. All spectral information is captured simultaneously by the multispectral sensor. The bands are spaced between 720 nm and 980 nm and have 18 nm bandwidth (FWHM). The camera is USB3 Vision-compliant offering many software choices including graphical, command-line, Matlab, and LabView applications and SDKs available for both Windows and Linux. Power is supplied through the USB3 interface. Compact, lightweight, and designed for demanding near infrared imaging applications.

FEATURES:

- Snapshot Operation
- Capture Bands Simultaneously
- 720, 760, 800, 840, 860, 900, 940, 980 nm
- High Frame Rate
- High Performance CMOS Sensor
- USB3 Vision & GenICam Compliant
- Compact and Lightweight
- Low Power Requirement
- 28 mounting points

SPECIFICATIONS:

- Lens Mount: C-mount
- Interface: USB3 Vision
- Maximum Bit Depth: 12 bit
- Shutter: Global Shutter
- Sensor Type: CMOS
- Capture Method: Area
- Sensor Model: CMV4000
- Sensor Format: 1-inch
- Number of Channels: 8 bands
- Pixels Per Channel: 256 x 256
- Pixel Size (H x V): 5.5 x 16.5 (µm)
- Dynamic Range: 60 dB
- Dark Noise: 13 e- (RMS)
- Dark Current: 125 e-/s (25 ° C)
- Power Requirement: USB 3.0 interface
- Size: 56 mm x 50 mm x 52 mm (WxHxD)
- Weight: 200 g
- Case: 6061 Aluminium
- 12 x ¼-20 mounting points
- 12 x M3 mounting points
- 4 x 4-40 mounting points
- Compatible with 30 mm cage optics



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