



# SpectroCam Multispectral Cameras



## Sequential 6-8-Band Multispectral Imagers in UV, VIS, and SWIR Versions

SpectroCam multispectral cameras deliver live processed images of 6-8 spectral bands at full-frame resolution and rates up to 25 frames per second (~2-4 stacks per second). Configure SpectroCam for your application using standard and custom interchangeable optical filters. Available in ultraviolet (UV), visible (VIS), and short-wave infrared (SWIR) versions, SpectroCam cameras incorporate high-sensitivity image sensors.

Fully functional out of the box, SpectroCam makes multispectral imaging accessible to any user, speeding the development and deployment of all kinds of multispectral applications. Capture live images within minutes, using the included acquisition software to enhance contrast and see beyond human vision. Customized OEM multispectral engines provide easy, modular integration into handheld optical devices and instrumentation.



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	SpectroCam UV	SpectroCam VIS	SpectroCam VIS-SWIR 640	SpectroCam SWIR 320	
<b>Spectral response</b>	200-900 nm (UV+VIS+NIR)	400-1000 nm (VIS+NIR)		900-1700 nm (SWIR)	
<b>Sensor</b>	CCD, UV-enhanced Si 1392 x 1040 px 4.65 µm pixel pitch	CCD, silicon, 5 MP 2456 x 2058 px 3.45 µm pixel pitch	CCD, silicon, 1.4 MP 1392 x 1040 px 6.45 µm pixel pitch	InGaAs 640 x 512 px 15 µm pixel pitch	InGaAs 320 x 256 px 30 µm pixel pitch
<b>Spectral bands</b>	8	8	8	6	6
<b>Active area</b>	6.4 x 4.8 mm	8.47 x 7.1 mm	10.2 x 8.3 mm	9.6 x 7.68 mm	9.6 x 7.68 mm
<b>Frame rate</b>	Up to 15 frames/sec	Up to 15 frames/sec	Up to 20 frames/sec	Up to 25 frames/sec	Up to 25 frames/sec
<b>Optical interface</b>	F-mount standard (manual aperture and focus), range of lenses available, adapters available on request				
<b>Digital output</b>	Gig-E, 10 bit	Gig-E, 12 bit	Gig-E, 12 bit	Gig-E, 14 bit	Gig-E, 14 bit
<b>Physical</b>	136 x 124 x 105 mm (5.4" x 4.9" x 4.1") 908 g (2.0 lb.)	136 x 124 x 105 mm (5.4" x 4.9" x 4.1") 680 g (1.5 lb.)	136 x 124 x 105 mm (5.4" x 4.9" x 4.1") 680 g (1.5 lb.)	136 x 124 x 116 mm (5.4" x 4.9" x 4.6") 908 g (2.0 lb.)	136 x 124 x 116 mm (5.4" x 4.9" x 4.6") 908 g (2.0 lb.)

## Benefits

- Sequential 6-8 band multispectral imaging
- Full frame resolution at up to 25 frames/second
- Interchangeable standard and custom spectral filters
- Intuitive acquisition software
- High speed digital video output

## OEM Customization

- Application-specific multispectral engine
- Easy, modular device integration
- Optimized spectral bands and imaging
- Proof of concept to high volume production

## Applications

- Art and archaeology
- Authentication
- Biomedical markers
- Colorimetric assays
- Enhanced night vision
- Food quality grading
- Forensics examination
- High accuracy color
- Medical tissue analysis

