



The MSC2 is ultra-compact, ultra-light multispectral camera made with user selected spectral bands. It accommodated a high performance 4MP CMOS sensor modified with Spectral Devices proprietary Anti-X-Talk™ multispectral filter array technology

FEATURES

- Captures co-registered spectral images simultaneously
- Customer selected number of bands, band locations and bandwidth
- Customer can choose between area or line scan camera
- Anti-X-Talk™ Technology -enhances contrast and spectral performance
- Sustained frame rates up to 178 FPS (number of band dependent)
- 4MP Global Shutter CMOS sensor
- USB3 Vision & GenICam Compliant
- Ultra-compact (28 x 28 x 47 mm)
- Ultra-light (< 55g)
- Accommodates c-mount lenses

TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	1-8
Band Locations	Customer selected
Spectral Bandwidth	Customer selected
Pixels/band	1 band: 2048 x 2048 2 bands: 2048 x 512 4 bands: 512 x 512 8 bands: 256 x 256
Sensor Type	CMOS
Sensor Model	AMS CMV4000
Sensor Format	1-inch
Pixel size	5.5 x 5.5 μm
Shutter Type	Global
Frame Rate	4 band: 8bits @ 178 fps 8 band: 8bits @ 89 fps
Noise Level (Gain 0 dB)	8bits output: <3 digits 10bits output: <12 digits 12bits output: <48 digits
Exposure Time	22 μs to 16.77 s
Lens Compatibility	c-mount
Connectors	USB 3.0, Hirose
System Sync	External trigger (Hardware, Software), Free run

DIMENSIONS

