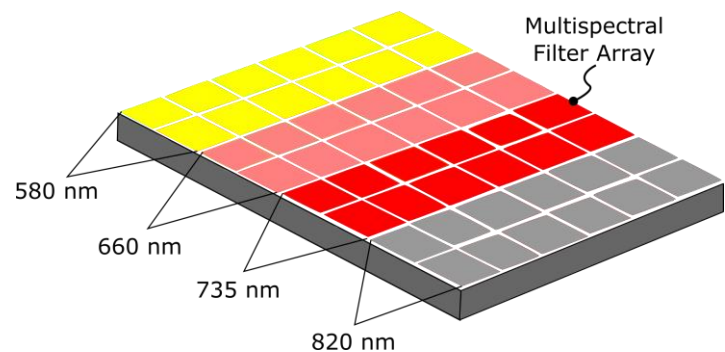


The MSC2 AGRI multispectral line-scan camera is ultra-compact, ultra-light with a high-performance 4MP CMOS sensor modified with Spectral Devices proprietary Anti-X-Talk™ multispectral filter array technology and designed specifically for agricultural applications.

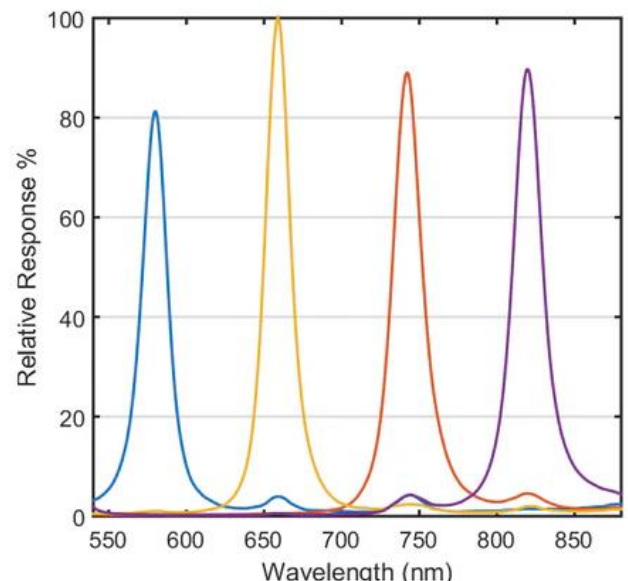
FEATURES

- Captures co-registered spectral linescan simultaneously
- 4 bands – 580, 660, 735, 820 nm
- Anti-X-Talk™ Technology - enhances contrast and spectral performance
- Sustained frame rates @ 3500 FPS
- 4 MP Global Shutter CMOS sensor
- USB3 Vision & GenICam Compliant
- Ultra-compact (28 x 28 x 47 mm)
- Ultra-light (< 55g)
- Accommodates c-mount lenses

SENSOR



SPECTRAL RESPONSE



TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	4
Band Locations	580 nm, 660 nm, 735 nm, 820 nm
Spectral Bandwidth	~25 nm
Pixels/band	1x2048
Sensor Type	CMOS
Sensor Model	AMS CMV4000
Sensor Format	1-inch
Effective pixel size	5.5 x 5.5 μm
Shutter Type	Global
Frame Rate	8bits @ 3500 fps 10bits @ 1900 fps 12bits @ 1600 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

