

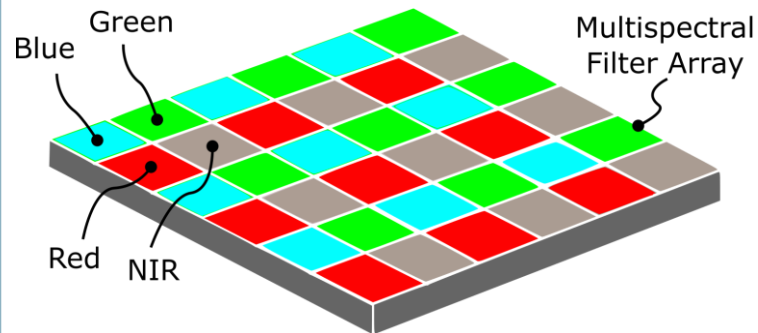


The MSIS RGBN is a multispectral imaging system incorporating an MSC2-RGBN-1-A snapshot multispectral camera and a 4-channel LED illuminator into a single waterproof and dustproof camera head.

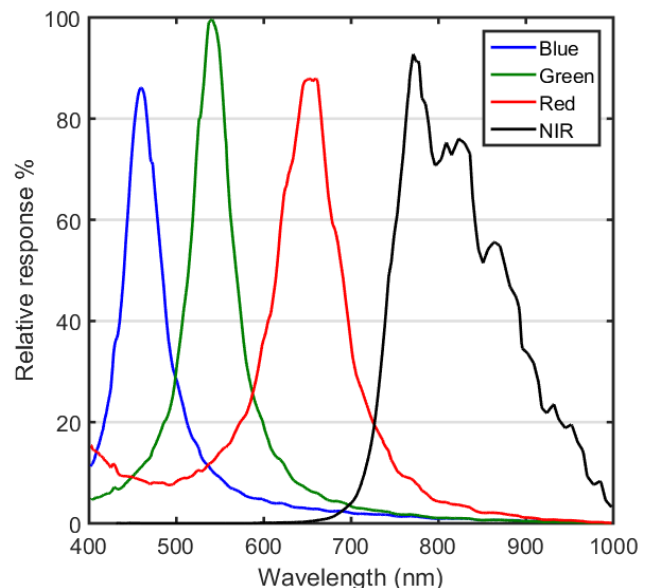
FEATURES

- Captures co-registered spectral images simultaneously
- 4 bands – 450, 550, 650, 800 nm
- Anti-X-Talk™ Technology - enhances contrast and spectral performance
- Sustained frame rates @ 178 FPS
- 4MP Global Shutter CMOS sensor
- High power pulsed LED light source
- Compact waterproof and dustproof camera head and control unit
- Accommodates c-mount lenses
- Camera head: 2.5 kg, Control box: 4 kg

SENSOR



SPECTRAL RESPONSE

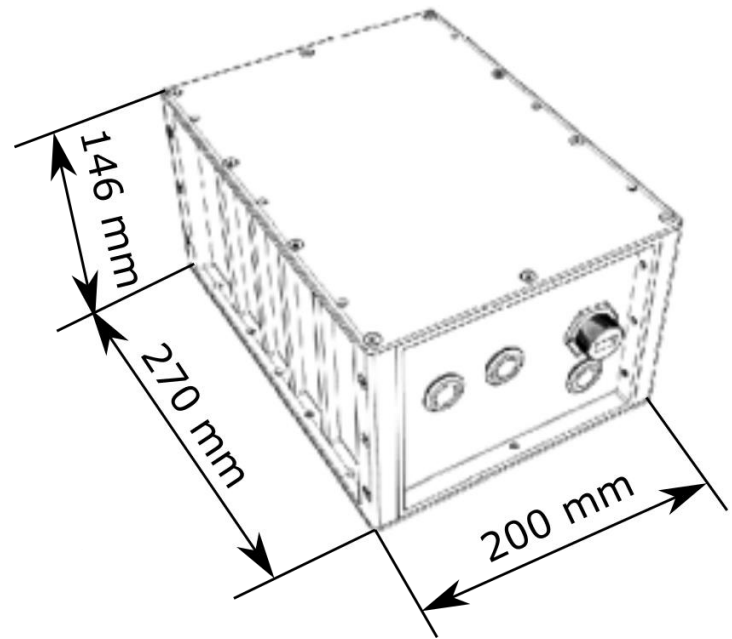


TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	4
Band Locations for LED and Camera	450, 550, 650, 800 nm
Camera Spectral Bandwidth	~70 nm
Pixels/band	512x512
Camera	MSC2-RGBN-1-A, 1-inch, CMOS
Effective pixel size	5.5 x 5.5 μ m
Shutter Type	Global
Frame Rate	8bits @ 178 fps 10bits @ 90 fps 12bits @ 74 fps
Exposure Time	22 μ s to 16.77 s
Lens Compatibility	c-mount, 6mm to 50mm focal lengths available, manual iris, manual focus, locking screws
Connectors	USB 3.0, Hirose
System Sync	External trigger (Hardware, Software), Free run

DIMENSIONS

Control box



Camera head

