

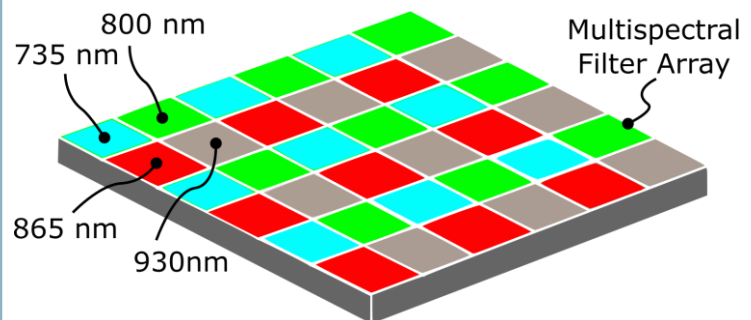


The MSIS BIO is a multispectral imaging system incorporating an MSC2-BIO-1-A snapshot multispectral camera and a 4-channel LED illuminator into a single waterproof and dustproof camera head.

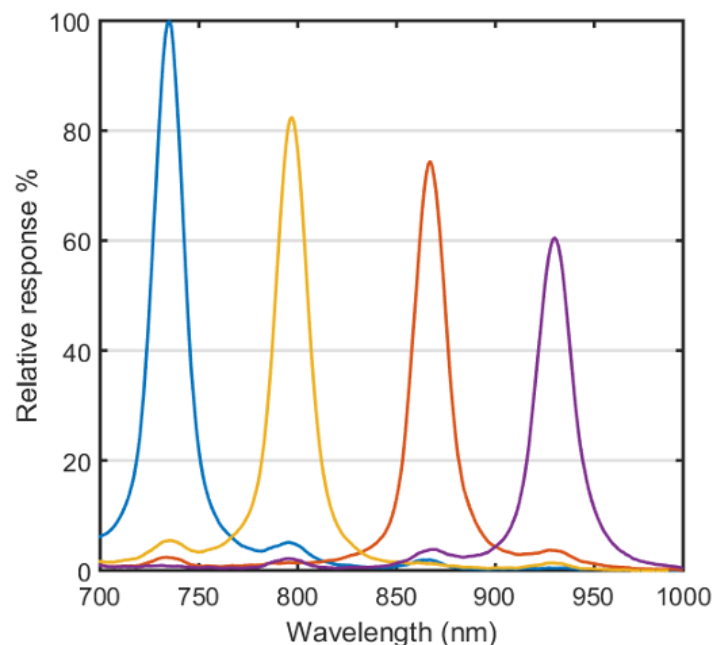
FEATURES

- Captures co-registered spectral images simultaneously
- 4 bands - 735, 800, 865, 930 nm
- Anti-X-Talk™ Technology - enhances contrast and spectral performance
- Sustained frame rates @ 10 FPS
- 4MP Global Shutter CMOS sensor
- High power pulsed LED light source
- Waterproof and dustproof camera head and control unit
- Accommodates c-mount lenses
- Camera head: 2.5 kg, Control box: 4 kg

SENSOR



SPECTRAL RESPONSE

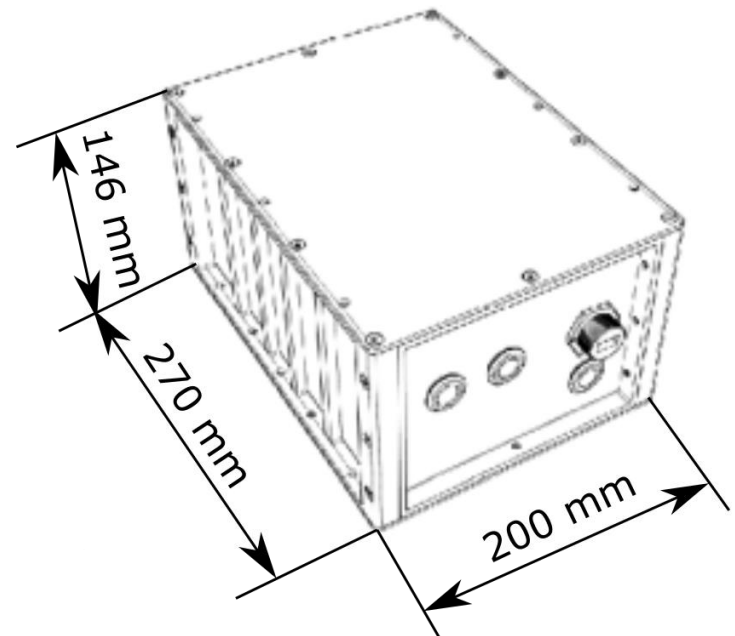


TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	4
Band Locations for LED and Camera	735, 800, 865, 930 nm
# of LEDs per band	8
Camera Spectral Bandwidth	~25 nm
Pixels/band	512x512
Camera	MSC2-BIO-1-A, 1-inch, CMOS
Effective pixel size	5.5 x 5.5 μm
Shutter Type	Global
Exposure Time	22 μs to 16.77 s
Lens Compatibility	c-mount, 8.5 mm to 50 mm focal lengths available, manual iris, manual focus, locking screws. Optional electronic focus and iris
Power Requirements	18-75 V DC (60 W) 110-240 V AC power source
Surface finish	black anodization, polycarbonate

DIMENSIONS

Control box



Camera head

