



The MSIS CUS is a multispectral imaging system incorporating a snapshot multispectral camera and a 4-channel LED illuminator with customer selected number of spectral bands within a range of 350 nm – 1100 nm.

## FEATURES

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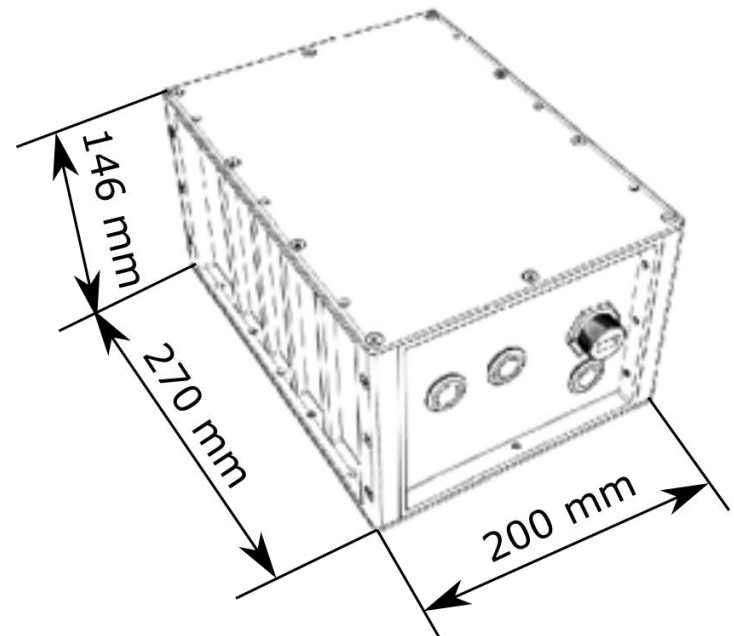
- Captures co-registered spectral images simultaneously
- Customer selected number of bands (1-8), band locations (350 – 1100 nm) and bandwidth.
- Anti-X-Talk™ Technology -enhances contrast and spectral performance
- Sustained frame rates @ 10 FPS (dependent on number of bands)
- 4MP Global Shutter CMOS 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

## TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	1-8
Band Locations for LED and Camera	Customer selected
# of LEDs per band	8
Camera Spectral Bandwidth	~25 nm
Pixels/band	1 band: 2048 x 2048 2 bands: 2048 x 512 4 bands: 512 x 512 8 bands: 256 x 256
Camera	MSC2-CUS-1-A, 1-inch, CMOS
Effective pixel size	5.5 x 5.5 $\mu\text{m}$
Shutter Type	Global
Exposure Time	22 $\mu\text{s}$ 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

