

CMS4 Series

4Mpx Multispectral Cameras

Capture 4.2Mpx raw images made of nine 680x680 pixels spectral sub-images with the CMS4 snapshot multispectral cameras.



CMS4-C (400-700nm)

COLOR dedicated

Applications

- Color measurements
- Color process control
- Waste sorting (papers, plastic bottles, ...)
- Fruits & vegetables aspect control

...



CMS4-V (550-800nm)

VEGETATION dedicated

Applications

- Vegetation index measurement (NDVI, MCARI, MSR, SAVI, TVI, ...)
- Field mapping for modern agriculture monitoring
- Fertilization and irrigation optimization
- Environmental monitoring

...



CMS4-S (650-900nm)

SECURITY dedicated

Applications

- Surveillance
- Authentication
- Forensics
- Oximetry
- Defense

...



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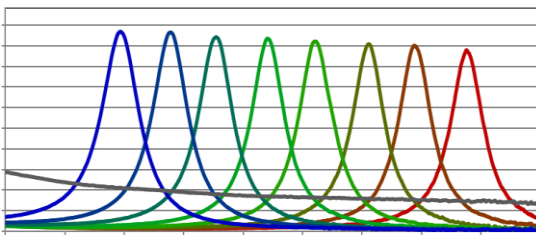
CMS4 Series

4Mpx Multispectral Cameras

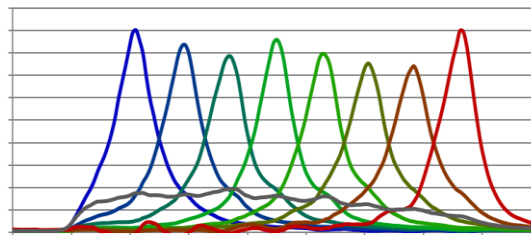


	Wavelength range (nm)
CMS-C	430-700 nm
CMS-V	550-830 nm
CMS-S	650-930 nm

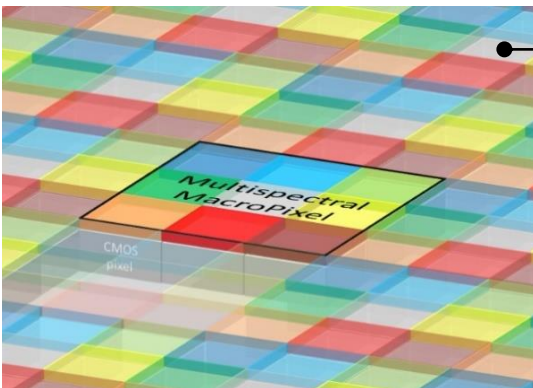
	Camera
Number of Bands	9 (8 colors + 1 B&W)
Bandwidth (FWHM)	20 to 40 nm
Imager Type	CMOS sensor
Spatial Resolution	2048 x 2048 full picture (4.2 Mpx)
Frame Rate	up to 95 full frame/s
Pixel Pitch	5.5 microns
Bit Depth	10
Interfaces	USB3.0, GigE



Typical transmission bands (filter)...

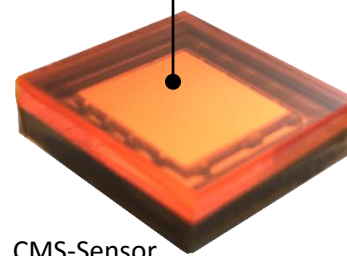


... corresponding typical QE (sensor)



Pixelated Multispectral Filter

Hybrid assembly



CMS-Sensor



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