

## MAIA M2 – modular multispectral camera

**MAIA M2** is the smallest and lightest **modular multispectral camera** fully customizable by the user, according to the needs of multispectral survey applications.



**MAIA M2** module is based on a double global shutter CMOS sensor with 8 or 12 bits resolution and automatic exposure, with stand-alone capability and several **inputs/outputs** for external devices.

- Freedom to choose the bandpass filters
- Multi-module management up to 8
- Compatible with any kind of platforms
- Excellent cost / benefit ratio
- Same sensors, filters and optics of MAIA

Height AGL	Ground Sample Distance	Field of view	Max speed with 10 ms exposure time
50 m	23 mm/pixel	30 x 23 m <sup>2</sup>	2.3 m/sec
75 m	35 mm/pixel	45 x 34 m <sup>2</sup>	3.5 m/sec
100 m	47 mm/pixel	60 x 45 m <sup>2</sup>	4.7 m/sec
150 m	70 mm/pixel	90 x 68 m <sup>2</sup>	7 m/sec
200 m	94 mm/pixel	120 x 90 m <sup>2</sup>	9.4 m/sec
300 m	141 mm/pixel	180 x 135 m <sup>2</sup>	14.1 m/sec

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Size: 48 mm x 33 mm x 23 mm  
Weight: 70 g



	FILTERS	MAIN INDEX	NAME	RELATED INDEXES	M2-VERSION
	B1, B5	PPR	PLANT PIGMENT RATIO	CTR6	M2-V01
	B1, B8	NPCI	NORMALIZED PIGMENT CHLOROPHYLL INDEX	IO, CTR1, LIC2, SRP	M2-V02
	B1, B11	WV-BI	WORLDVIEW BUILT-UP INDEX	WV-NHFD	M2-V03
	B1, B15	BWDRVI	BLUE-WIDE DYNAMIC RANGE VEGETATION INDEX	WV-VI	M2-V04
	B3, B5	PRI	PHOTOCHEMICAL REFLECTANCE INDEX	BGI, CRI1	M2-V05
	B3, B8	BRI	BLUE RED PIGMENT INDEX	IOR	M2-V06
	B3, B11	CRI2	CAROTENOID REFLECTANCE INDEX 2		M2-V07
	B3, B15	BNDVI	BLUE NORMALIZED DIFFERENCE VEGETATION INDEX	PSSRC1, PSSRC2, PSNDC1	M2-V08
	B5, B8	PVR	PHOTOSYNTHETIC VIGOUR RATIO	NGRDI, DSWI-4, GI	M2-V09
	B5, B11	ARI	ANTHOCYANIN REFLECTANCE INDEX		M2-V10
	B5, B15	GNDVI	GREEN NORMALIZED DIFFERENCE VEGETATION INDEX	PBI, GOSAVI, GSAVI, RARS, GRVI, GCI	M2-V11
	B7, B15	CTR3	SAMPLE RATIO CARTER 3		M2-V12
	B8, B11	NDVI RED EDGE	NORMALIZED DIFFERENCE VEGETATION INDEX RED EDGE	FR, FR2, CTR4	M2-V13
	B8, B15	NDVI	NORMALIZED DIFFERENCE VEGETATION INDEX	RDVI, TDVI, WDWI, WDRVI	M2-V14
	B11, B15	NDRE	NORMALIZED DIFFERENCE RED EDGE INDEX	NDCHL, RRI	M2-V15
	RGB, B15	RGB+NIR	ALL RED/GREEN/BLUE/NIR INDEXES		M2-V16