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Agrowing's Sextuple
The Best Multispectral
14 Band Sensor for Research

14 Bands of 7.5MP/61MP RGB

Type		E-Mount Sextuple lens single mount for modified Sony A7Rxx/A7CR
Spectral Bands		+/- 15nm wide 405;430;450;490;525 550;560;570;630;650 685;710*;735;850nm
Multi Spectral Chroma Bands Resolution (single lens compound)		~7.5MP (2780 x 2650 pixels) per chroma band based on Sony 61 Megapixel sensor
Effective focal length		21.8mm
Focus type and range		Manual 0.5m - infinity
F number		5.6
Field of view	Diagonal	40.8
	Horizontal	33.0
	Vertical	25.0
TV distortion		-1.5%
Relative illumination		60%
Iris		fixed
Lens dimension (ØxLxW)		124 x 71.1 x 63.4 mm
Lens weight (assessment)		190gr
Total sensor weight including lens		705gr inc. batter and lens with A7CR
Dual Purpose – Can be used for RGB mapping with a Clip-In IR-Cut filter		

US patent 10574911B2; specification may be changed



Dual Purpose RGB/Multispectral
AI-Enabling Sensors

COMING SOON!



Lightweight 10 Band 12MP

Type		E-Mount Quad lens single mount for modified Sony ILX-LR1/A7Rxx and A7CR
Spectral Bands		+/- 15nm wide 405;430;450;550;560;570; 650;685;710*;850
Multi Spectral Chroma Bands Resolution (single lens compound)		~12.1MP (4304 x 2836 pixels) per chroma band based on Sony 61 Megapixel sensor
Effective focal length		25mm
Focus type and range		Manual 0.5m - infinity
F number		6.0
Field of view	Diagonal	46.0
	Horizontal	40.7
	Vertical	27.6
TV distortion		-1%
Relative illumination		68%
Iris		fixed
Lens dimension (ØxLxW)		124 x 71.1 x 63.4 mm
Lens weight (assessment)		181gr
Total sensor weight including lens		424gr inc. battery and lens with ILX-LR1 (695gr with A7CR)
Dual Purpose – Can be used for RGB mapping with a Clip-In IR-Cut filter		

US patent 10574911B2; specification may be changed



Agrowing's Affordable Dual of
24MP RGB or 10MP per Band
NDVI/Red-Edge

5 Bands of 10MP/24MP RGB

Type	E-Mount Dual lens single mount for modified Sony ZV-E10/A6xxx	
Interchangeable NDVI and Red-Edge lenses spectral bands	35nm wide 450;550;650;850nm 35nm wide 450;550;710;850nm	
Multi Spectral Chroma Resolution	~10MP (3850x2600) per color channel for 24.3MP cameras Alpha 6100; 6400; ZV-E10...	
Effective focal length	25mm	
Focus type and range	Manual 0.5m- infinity	
F number	6.0	
Field of view	Diagonal	45.9
	Horizontal	35.0
	Vertical	26.6
TV distortion	-1%	
Relative illumination	68%	
Iris	fixed	
Dimension (ØxLxW)	60x35.2mm	
Lens weight	Lens 144gr.	
Total weight including battery	With ZV-E10 487gr	
Dual Purpose – Can be used for RGB mapping with a Clip-In IR-Cut filter		



SCAN ME

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Agrowing's Affordable Quad of 33MP RGB or 10 Bands of 6.5 MP Multispectral

10 Narrow Bands of 6.5 Megapixel Each

Type		Quad lens single mount for modified Sony A7CII
Spectral Bands		+/- 15nm wide 405;430;450;550;560;570;650;685;710*;850
Multi Spectral Chroma Bands Resolution (single lens compound)		~6.5MP (4304 x 2836 pixels) per chroma band based on Sony 33 Megapixel sensor
Effective focal length		25mm
Focus type and range		Manual 0.5m - infinity
F number		6.0
Field of view	Diagonal	46.0
	Horizontal	40.7
	Vertical	27.6
TV distortion		-1%
Relative illumination		68%
Iris		fixed
Lens dimension (ØxLxW)		124 x 71.1 x 63.4 mm
Lens weight (assessment)		181gr
Total sensor weight including lens		696gr inc. battery and lens with A7CII
Dual Purpose – Can be used for RGB mapping with a Clip-In IR-Cut filter		
US patent 10574911B2; specification may be changed		



10 Bands + HVGA IR



10 Bands + DJI PSDK



10 Bands + DJI PSDK



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The Award-Winning Quad of 61MP RGB or 10 Bands of 12MP in a New Body

10 Narrow Bands of 12 Megapixel Each

Type		Quad lens single mount for Modified Sony A7CR/A7Riv/v
Spectral Bands		+/- 15nm wide 405;430;450;550;560;570;650;685;710*;850
Multi Spectral Chroma Bands Resolution (single lens compound)		~12.1MP (4304 x 2836 pixels) per chroma band based on Sony 61 Megapixel sensor
Effective focal length		25mm
Focus type and range		Manual 0.5m - infinity
F number		6.0
Field of view	Diagonal	45.90
	Horizontal	35.0
	Vertical	26.60
TV distortion		-1%
Relative illumination		68%
Iris		fixed
Lens dimension (ØxLxW)		124 x 71.1 x 63.4 mm
Lens weight (assessment)		181gr
Total sensor weight including lens		696gr inc. battery and lens (A7CR)
Dual Purpose – Can be used for RGB mapping with a Clip-In IR-Cut filter		
US patent 10574911B2; specification may be changed		

INNOVATIVE PRODUCT
PRESS AWARD WINNER
COMMERCIAL
UAV EXPO
AMERICAS

