



	ULTRIS 5 Entry / OEM Camera	ULTRIS X20 / X20 PLUS Premium UV-VIS-NIR Camera	ULTRIS XMR Next-Gen HR Camera	ULTRIS SWIR-1G Hyperspectral SWIR Camera
Wavelength Range	450–850 nm	350–1002 nm	430–910 nm	980–1664 nm
Spectral Bands	51	164	61	38
Spectral Sampling	8 nm	4 nm	8 nm	18 nm
FWHM	26 nm @ 532 nm	Constant 10 nm	Constant 25 nm	65 nm typical at standard sampling
Bandpass Filter	LVF	Mosaic	Mosaic	LVF
Spatial Resolution	290 × 275 pixel	X20: 410 × 410 pixel X20 Plus: 1886 × 1886 pixel (pan)	1 MP	200 × 200 pixel
Total Data Points	51 × 79,750 (4.07 M)	164 × 168,100 (27.6 M)	61 × 1,080,000 (65.9 M)	38 × 40,000 (1.5M)
Lens / Optics	C-Mount 2/3" (variant SR5)	–	C-mount 4/3"	C-mount
FOV (Field of View)	16° (S5) · 30–7° (SR5 lens-dependent)	32°	60°/31°/15° · lens-dependent	lens-dependent
Max Frame Rate	16 Hz (12 bit) · 24 Hz (8 bit)	max 4 Hz	11 Hz (12 bit) · 17 Hz (8 bit)	61 fps HQ · 92 fps LQ
Data Link	GigE	GigE	USB 3.1 Micro-B	GigE
Integration Time	0.1–60,000 ms	0.1–1,000 ms	0.1–10,000 ms	0.1–60,000 ms
Data Depth	8/12 bit	8/12 bit (pan 8)	8/12 bit	8/12 bit
Technology	Light Field	Light Field · Dual Sensor	Light Field	Light Field
Readout	Global Shutter	Global Shutter	Global Shutter	Global Shutter
Sensor	Sony IMX264	CMV 20000 · Sony IMX264 (pan)	Sony IMX540	Sony IMX990
File size processed	< 8 MB	< 55 MB	357.4 MB	3 MB
Weight	126 g (w/o lens)	X20: 350g · X20 Plus: 630 g	700 g (w/o lens)	140 g (w/o lens)
Dimensions	29 × 29 × 65 mm	X20: 60 × 60 × 57 mm X20 Plus: 86 × 121 × 105 mm	40 × 40 × 217 mm	36 × 36 × 104.85 mm
Options	C-mount adapter Industrial Housing (IP66) Underwater Housing (IP68)	only X20: Industrial Housing (IP66) Underwater Housing (IP68)	Wavelength range customizable Industrial Housing (IP66) Underwater Housing (IP68)	C-mount adapter Industrial Housing (IP66)