

SENSOR COMPARISON

	Professional Kits (Sensor + DLS2)			DJI SkyPort Kits (Sensor + SkyPort adapter + DLS2)	
	RedEdge-MX	RedEdge-P	Dual Camera System	RedEdge-MX	RedEdge-P
Weight	231.9 g RedEdge-MX + DLS 2	350 g RedEdge-P + DLS 2	508.8 g Two sensors + Mount plate + DLS2 + Cable	294.4g Sensor + SkyPort adapter + DLS2	440 g Sensor + SkyPort adapter + DLS2
Dimensions	8.7cm x 5.9cm x 4.54cm (3.4in x 2.3in x 1.8in)	8.9 x 7.0 x 6.7 cm (3.5in x 2.8in x 2.6in)	8.7cm x 12.3cm x 7.6cm (3.4in x 4.8in x 3.0in)	8.7cm x 5.9cm x 4.54cm (3.4in x 2.3in x 1.8in)	8.9 x 7.0 x 11.0cm (3.5in x 2.8in x 4.3in)
External Power	4.2 V - 15.8 V	7.0 V - 25.2 V	4.2 V DC - 15.8 V DC Provided through Dual Camera Mount	Provided by SkyPort adapter	Provided by SkyPort adapter
Power Input	4.0/8.0W (nominal, peak)	5.5/7.0/10W (standby, average, peak)	8.0/16.0W (nominal peak) Provided through Dual Camera Mount	Provided by SkyPort adapter	Provided by SkyPort adapter
Spectral Bands	Blue 475(32), Green 560(27), Red 668(14), Red Edge 717(12), NIR 842(57)	Blue 475(32), Green 560(27), Red 668(14), Red Edge 717(12), NIR 842(57)	Coastal Blue 444(28)*, Blue 475(32), Green 531(14)*, Green 560(27), Red 650(16)*, Red 668(14), Red Edge 705(10)*, Red Edge 717(12), Red Edge 740(18)*, NIR 842(57)	Blue 475(32), Green 560(27), Red 668(14), Red Edge 717(12), NIR 842(57)	Blue 475(32), Green 560(27), Red 668(14), Red Edge 717(12), NIR 842(57)
RGB Output	3.6 MP (global shutter, aligned with all bands)	5.1 MP (global shutter, aligned with all bands) *with appropriate post-processing	3.6 MP (global shutter, aligned with all bands)	3.6 MP (global shutter, aligned with all bands)	5.1 MP (global shutter, aligned with all bands) *with appropriate post-processing
Sensor Resolution	1280 x 960 (1.2 MP per EO band)	1456 x 1088 (1.6MP per MS band) 2464 x 2056 (5.1MP panchromatic band)	1280 x 960 (1.2 MP per EO band)	1280 x 960 (1.2 MP per EO band)	1456 x 1088 (1.6MP per MS band) 2464 x 2056 (5.1MP panchromatic band)
Ground Sample Distance	8 cm per pixel (per band) at 120m (~400 ft) AGL	7.7 cm per pixel (per MS band), 3.98 cm per pixel (Panchro), at 120 m (~400 ft) AGL	8 cm per pixel (per band) at 120 m (~400 ft) AGL	8 cm per pixel (per band) at 120m (~400 ft) AGL	7.7 cm per pixel (per MS band), 3.98 cm per pixel (Panchro), at 120 m (~400 ft) AGL
Capture Rate	One capture per second (all bands), 12-bit RAW	Up to three captures per second raw DNG	One capture per second (all bands), 12-bit RAW	One capture per second (all bands), 12-bit RAW	Up to three captures per second raw DNG
Interfaces	Serial, 10/100/1000 ethernet, removable Wi-Fi, external trigger, GPS, SDHC	3 GPIO: Trigger input, top of frame out, 1 PPS out, host button. USB 2.0 port for WiFi, serial, 10/100/1000 ethernet, and CF Express Storage.	Serial, 10/100/1000 ethernet, removable Wi-Fi, external trigger, GPS, SDHC	Provided by SkyPort: Serial, 10/100/1000 BT Ethernet, External Trigger	Provided by SkyPort adapter
Field of View	47° HFOV (multispectral)	50° HFOV x 38° VFOV (MS) 44° HFOV x 38° VFOV (PAN)	47° HFOV (multispectral)	47° HFOV (multispectral)	50° HFOV x 38° VFOV (MS) 44° HFOV x 38° VFOV (PAN)
Storage	SD Card	CFexpress Card	SD Card	SD Card	CFexpress Card

*Specifications are subject to change without notice

*Capture rates vary based on write speed of USB storage device

*Denotes RedEdge-MX Blue bands