



DJI Enterprise Portfolio - Cameras



	XT	XT2	Z30	X4S	X5S
Created for	Thermal imaging	Thermal and RGB imaging (IP44)	Precise aerial inspection from long distances	High professional aerial photography and film production X4S: Mapping – mechanical shutter X5S: Versatility – interchangeable lens, big sensor	
Drones	M100, M200 series (with adaptor), M600	M200 series	M100, M200 series (with adaptor), M600	Inspire 2, Matrice 200 series	
Dimensions	103x74x102 mm	124x113x127 mm (25 mm lens) 118x112x126 mm (other lens)	152x137x61 mm	125x100x80 mm	140x98x132 mm
Weight	270g	629g (25 mm lens) 588g (other lens)	556g	253g	461g
Camera stabilisation	3-axis (pitch, roll, yaw)		3-axis (pitch, roll, yaw)	3-axis (pitch, roll, yaw)	
Angular vibration range	±0.03°	±0.01°	±0.01°	±0.01°	
Controllable range	Tilt: +35° to -90° Roll: ±15° Pan: ±320°	Tilt: +30° to -90° Pan: ±320°	Tilt: +40° to -90° Pan: ±320°	Tilt: +30° to -90° Pan: ±320°	
Mechanical range	Tilt: +45° to -135° Roll: ±45° Pan: ±320°	Tilt: +45° to -130° Roll: +90° to -60° Pan: ±330°	Tilt: +50° to -140° Roll: +90° to -50° Pan: ±330°	Tilt: +50° to -140° Roll: +90° to -50° Pan: ±330°	Tilt: +50° to -140° Roll: +90° to -30° Pan: ±330°
Sensor	Uncooled VOx Microbolometer Spectral Band: 7.5 – 13.5 µm	Thermal Uncooled VOx Microbolometer Spectral Band: 7.5 – 13.5 µm Visual 1/1.7" CMOS Effective pixels: 12 MP	1/2.8" CMOS Effective pixels: 2.13 MP	1" CMOS Effective pixels: 20 MP	Micro 4/3" CMOS Effective pixels: 20.8 MP
Lens	Pixel pitch: 17µm Interchangeable lens ranging 6.8-19mm: 640x512: 7.5, 9, 13, 19mm lens models FOV 90° - 26° Digital zoom: 2x, 4x, 8x 336x256: 6.8, 9, 13, 19mm lens models FOV 49.1° - 13° Digital zoom: 2x, 4x	Thermal Pixel pitch: 17µm Interchangeable lens ranging 9-25 mm: 640x512: 13, 19, 25 mm lens models FOV 45° - 20° Digital zoom: 2x, 4x, 8x 336x256: 9, 13, 19 mm lens models FOV 35° - 13° Digital zoom: 2x, 4x Visual FOV: 90° - 65° (5 mm focus) FOV: 57.12° - 42.44° (8 mm focus) Digital zoom: 2x, 4x, 8x	FOV 63.7°-2.3° Optical zoom: 30x Digital zoom: 6x Zoom movement speed: Optical Wide – Optical Tele: 4.6s Optical Wide – Digital Tele: 6.4s Digital Wide – Digital Tele: 1.8s	FOV 84° Focal length: 8.8mm (24mm equivalent on a 35mm camera)	Interchangeable lens ranging from 18-90mm equivalent in a 35mm camera FOV 72° (DJI MFT 15mm/1.7 ASPH) Focal length: 15mm (30mm equivalent on a 35mm camera)
Aperture	f/1.25-1.4	Thermal: f/1.1-1.25 Visible: f/1.8	f/1.6 (Wide) – f/4.7 (Tele)	f/2.8-11 11.6 stops	f/1.7-16 (DJI MFT 15mm/1.7 ASPH) 12.8 stops
ISO	- (fixed value)	- (fixed value)	100 – 1600 (video) 100 – 1600 (picture)	100 – 6400 (video) 100 – 12800 (stills)	100 – 6400 (video) 100 – 25600 (stills)
Shutter speed	640x512: 1/100s 336x256: 1/80s	640x512: 1/100s 336x256: 1/80s	Elect: 1/30 – 1/6000s	Mech: 8 – 1/2000s Elect: 1/2000 – 1/8000s	Elect: 8 – 1/8000s
Image format	JPEG, RjPEG	Thermal JPEG, TIFF, RjPEG Visual JPEG	JPEG	JPEG, DNG (RAW)	
Video format	MP4	MOV, MP4, TIFF SEQ, SEQ	MOV, MP4	MOV, MP4	MOV, MP4 Inspire 2: CinemaDNG & ProRes
Image max. resolutions	640x512	Thermal 640x512 Visual 12M 4000x3000	2.13 MP 1920x1080	20 MP 3:2, 5472x3648 4:3, 4864x3648 16:9, 5472x3078	20.8 MP 4:3, 5280x3956 16:9, 5280x2970
Video max. resolution	Digital video display: 640x512 Analog video display: 720x480	Thermal 640x512 Visual 4K UHD: 3840x2160p @30fps	FHD: 1920x1080p @25/30fps	4K UHD: 4096x2160p @24/25/30/50/60fps	4K UHD: 4096x2160p @24/25/30/50/60fps Inspire 2: CinemaDNG: 5.2K: 5280x2973p @24/25/30fps ProRes: 5.2K: 5280x2160p @24/25/30fps
Max. video bitrate	2 Mbps	2 Mbps	7.9 Mbps	100 Mbps	
Codec	H.264	H.264	H.264	H.264 H.265	
Operating temperature	-10° to 40°C	-20° to 50° C	-10° to 45°C	-10° to 40°C	
Exposure mode	- (FFC – flat-field calibration)	- (FFC – flat-field calibration)	Auto, Manual, Shutter priority, Aperture priority Compensation: ±2.3 (1/3 incr.)	Auto, Manual, Shutter priority, Aperture priority Compensation: ±3.0 (1/3 increments)	
Operation modes	Capture / Record / Playback		Capture / Record / Playback	Capture / Record / Playback	
Still photography modes	-	Visual Single shot Burst shooting Time-lapse	Single shot Burst shooting Auto Exposure Time-lapse	Single shot Burst shooting Auto Exposure Bracketing Time-lapse	
Image processing & Display controls	NTSC / PAL Image optimisation Digital detail enhancement Polarity control (Black hot / White hot) Colour & Monochrome palettes (LUTs)		-	-	-
Scene range / Others	High gain: 640x512: -25° to 135°C 336x256: -25° to 100°C Low gain: -40° to 550°C		-	-	-
Card type	Micro SD		Micro SD	Micro SD	