

														
For more information, please contact: eduardo.rodriguez@dji.com	Mavic 2 Enterprise Series	Phantom 4 RTK	Matrice 100	Matrice 200 Series			Matrice 200 Series V2			Matrice 600 Pro	Wind Series			Agras MG-1P
Created for	Public Safety	Mapping and Surveying	Development	Public Safety and Industrial inspections			Public Safety and Industrial inspections			Heavy lifter	Bespoke requirements			Agriculture
Type	Foldable quadcopter	Quadcopter	Quadcopter	Quadcopter			Quadcopter			Hexacopter	Quadcopter		Octocopter	Octocopter
Camera / Compatible gimbals	Custom cameras – more details in payloads (not interchangeable)	X4S integrated (not interchangeable)	XT, Z3, X5, X5R, Z30	XT (with adaptor), X4S, X5S, Z30, XT2, PSDK			XT (with adaptor), XT2, X4S, X5S, X7, Z30, PSDK			XT, Z3, Z30 (with adaptor), X5, X5R, Ronin-MX, XT2 (with adaptor)	XT, X3, Z3, X5, X5R, Z30 (with adaptor)			-
Gimbal setup	-	-	Single downward gimbal	Single downward gimbal	Single downward gimbal (gimbal I) Single upward gimbal Dual downward gimbal		Single downward gimbal	Single downward gimbal (gimbal I) Single upward gimbal Dual downward gimbal Downward gimbal (gimbal II) + Upward gimbal		Single downward gimbal	Single downward gimbal			-
Dimensions (unfolded)	322 x 242 x 84 mm - unfolded 332 x 242 x 114 mm - spotlight 332 x 242 x 101 mm - beacon 332 x 242 x 140 mm - loudspeaker	381x 325 x 221 mm	515 x 515 x 332 mm	887 x 880 x 378 mm		887 x 880 x 408 mm	883 x 886 x 398 mm		883 x 886 x 427 mm	1668 x 1518 x 727 mm	650 x 650 x 390 mm	860 x 860 x 525 mm	1471 x 1471 x 482 mm	1460 x 1460 x 578 mm
Dimensions (folded)	214x91x84 mm	-		716 x 220 x 236 mm (single gimbal)		716 x 287 x 236 mm	722 x 247 x 242 mm	722 x 282 x 242 mm		437 x 402 x 553 mm	440 x 412 x 304 mm	530 x 480 x 430 mm	780 x 780 x 482 mm	780 x 780 x 578 mm
Weight (incl. batteries and propellers)	905 g (Dual: 899g)	1.391 g	2.36 kg (1xTB47D) 2.43 kg (1xTB48D)	3.80 kg (2xTB50) 4.53 kg (2xTB55)	3.84 kg (2xTB50) 4.57 kg (2xTB55)	4.42 kg (2xTB50) 5.15 kg (2xTB55)	4.69 kg (2xTB55)	4.80 kg (2xTB55)	4.91 kg (2xTB55)	9.5 kg (6x TB47S) 10 kg (6x TB48S)	8.3 kg (1x DZ-12000)	15.4 kg (2x DZ-12000)	15.5 kg (2x DZ-12000)	13.7 kg (MG-12000P)
Batteries	One (FB2)	One (PH4)	One or Two (TB47D / TB48D)	Two (TB50 / TB55)			Two (TB55)			Six (TB47S / TB48S)	One (DZ-12000)	One or Two (DZ-12000)		One (MG-12000P)
Battery capacity / Battery weight	3850 mAh / 297 g	5870 mAh / 468 g	4500 mAh / 600 g (TB47D) 5700 mAh / 676 g (TB48D)	4280 mAh / 520 g (TB50) 7660 mAh / 885 g (TB55)			7660 mAh / 885 g (TB55)			4500 mAh / 595 g (TB47S) 5700 mAh / 680 g (TB48S)	12000 mAh / 3.6 kg			12000 mAh / 4.0 kg
Battery charging time	90 min	62 min	68 min (TB47D)	90 min (TB50)			2 h 24 min			92 min (TB47S) 110 min (TB48S)	30/60 min (DZ-12000) [fast/slow]			30/60 min [fast/slow]
Max. take-off weight	-	-	3.6kg	6.14 kg			6.14 kg			15.5 kg	10 kg	24.5 kg	20kg	23.8 kg
Max. payload	-	-	1.24 kg (TB47D) 1.17 kg (TB48D)	2.34 kg (TB50) 1.61 kg (TB55)	2.3 kg (TB50) 1.57 kg (TB55)	1.72 kg (TB50) 0.99 kg (TB55)	1.45 kg (TB55)	1.34 kg (TB55)	1.23 kg (TB55)	6.0 kg (TB47S) 5.5 kg (TB48S)	1.7 kg (1x DZ-12000)	12.5 kg (1x DZ-12000)	8.1 kg (1xDZ-12000)	10 kg (10L - water)
Navigation	GNSS (GPS, GLONASS)	GNSS (GPS, GLONASS, Galileo) + RTK	GPS	GNSS (GPS, GLONASS)		- GNSS (GPS, GLONASS) - RTK (GPS, GLONASS)	GNSS (GPS, GLONASS)		- GNSS mode (GPS, GLONASS) - RTK mode (GPS, GLONASS, Galileo, BeiDou)	- GNSS (GPS, GLONASS) - RTK (optional)	GPS			- GNSS (GPS, GLONASS) + Radar - RTK (optional)
Redundancy & Sensors	Dual IMU Dual GNSS	Dual IMU Dual GNSS	Dual frequency Dual battery	Dual IMU & Dual barometer Dual frequency Dual battery & Dual propulsion Upward infrared sensor Forward vision(two stereoscopic cameras and FPV) Downward VPS (two cameras and two ultrasonic sensors)			Dual IMU & Dual barometer Dual frequency + Dual frequency band switching Dual battery & Dual propulsion Upward: infrared sensor + LED Forward vision: two stereoscopic cameras Downward: two ultrasonic sensors + two stereoscopic cameras + LED			Triple IMU Triple GNSS Dual frequency Six batteries Six propulsion systems	Dual IMU Dual compass (in the legs)			Triple microwave radar Obstacle avoidance radar Eight propulsion systems
Flight control	Customised built-in	Customised built-in	N1	Custom built-in (same as Inspire 2)			Custom built-in			A3 Pro	A3 (not possible to upgrade to A3 Pro)			A3-AG2.0 / N3-AG2.0
Max. flight time (up to)	- 31 min (25 km/h average speed and no wind) - 26/22 min (hovering and spotlight turned off/on) - 28/27 min (hovering and beacon turned off/on) - 26/25 min (hovering and loudspeaker turned off/on)	30 min	- 33 min (2x TB47D) - 17 min (0.5kg payload, 1x TB47D) - 40 min (2x TB48D) - 20 min (0.5kg payload, 1x TB48D)	- 27 min (TB50) - 22 min (Z30, TB50) - 20 min (Z30+XT, TB50) - 13 min (full payload, TB50) - 38 min (TB55) - 32 min (Z30, TB55) - 28 min (Z30+XT, TB55) - 24 min (full payload, TB55)	- 23 min (TB50) - 13 min (full payload, TB50) - 32 min (TB55) - 24 min (full payload, TB55)	- 38 min - 29 min (X7)	- 34 min - 24 min (XT2+Z30)	- 33 min - 22 min (XT2+Z30)	- 32 min (TB47S) - 30 min (XT, TB47S) - 16 min (full payload, TB47S) - 38 min (TB48S) - 32 min (XT, TB48S) - 18 min (full payload, TB48S)	38 min (1x DZ-12000)	40 min (2x DZ-12000)	39 min (2x DZ-12000)	20 min (no payload) 9 min (10 kg payload)	
Max. speed (up to)	S: 72 km/h P: 50.4 km/h	S: 72 km/h P: 50.4 km/h A: 57.6 km/h	P: 61.2 km/h A: 79.2 km/h	S: 82.8 km/h (single downward / upward gimbal) P: 61.2 km/h (single downward / upward gimbal) A: 82.8 km/h (single downward / upward gimbal)		-	S: 81 km/h (single downward) P: 61.2 km/h (single downward & vision off) A: 81 km/h (single downward)		-	F: 64.8 km/h P: 64.8 km/h A: 72 km/h	S: 57.6 km/h	S: 50.4 km/h	S: 54 km/h	F: 43.2 km/h P: 43.2 km/h A: 54 km/h
Max. ascent - descent speed (up to)	5 m/s – 3 m/s	6 m/s – 5 m/s	5 m/s – 4 m/s	5 m/s – 3 m/s			5 m/s – 3 m/s			5 m/s – 3 m/s	5 m/s – 3 m/s		5 m/s – 4 m/s	-
Max. wind resistance (up to)	10 m/s	10 m/s	10 m/s	12 m/s			12 m/s			8 m/s	10 m/s	12 m/s		8 m/s
Remote controller	RC1A Smart Controller	GL300N	C1	GL8D10A Cendence GL800A			Cendence S (GL900A)			GL858A	GL890A	-	GL858A	GL300N
Remote video output ports	USB, HDMI (only on "Smart Controller")	USB, HDMI	USB, Mini-HDMI	USB, HDMI, SDI			USB, HDMI, SDI			USB, HDMI, 3G-SDI	USB, HDMI, SDI			-
Video transm.	OcuSync 2.0	OcuSync 2.0	Lightbridge	Lightbridge 2.5 (same as Inspire 2)			OcuSync 2.0 4G (UAV <=> RC and RC <=> RTK) – only China			Lightbridge 2	Lightbridge 2			OcuSync 2.0
Multi user/aircraft capability	-	Multi-aircraft control mode (up to five)	Master-and-Slave control	Master-and-Slave control			Master-and-Slave control			Master-and-Slave control	Master-and-Slave control			Multi-aircraft control mode (five)
Operating frequency	2.400 - 2.483 GHz (CE: <20 dBm) 5.725 - 5.825 GHz (CE: <14 dBm) Dual frequency band switching	2.400 - 2.483 GHz 5.725 - 5.825 GHz	2.400 - 2.483 GHz 5.725 - 5.825 GHz	2.400 - 2.483 GHz 5.725 - 5.825 GHz			2.400 - 2.4835 GHz 5.725 - 5.850 GHz Dual frequency band switching			2.400 - 2.483 GHz 5.725 - 5.825 GHz	2.400 - 2.483 GHz 5.725 - 5.825 GHz (only between RCs)			2.400 - 2.483 GHz (EU) 5.725 - 5.825 GHz (CN, USA)
Max. distance	Up to 8 km (FCC) and 5 km (CE)	Up to 7 km (FCC) and 5 km (CE)	Up to 5 km (FCC) and 3.5 km (CE)	Up to 7 km (FCC) and 3.5 km (CE)			Up to 8 km (FCC) and 5 km (CE)			Up to 5 km (FCC) and 3.5 km (CE)	Up to 5 km (FCC) and 3.5 km (CE)			Up to 5 km (FCC) and 3 km (CE)
Max. altitude (sea level)	6000 m	6000 m	3000 m	3000 m			3000 m			2500 m (with DJI 2170R) 4500 m (with DJI 2195)	3000 m			50 m (from ground)
Operating temperature	-10 °C to 40 °C	0 °C to 40 °C	-10 °C to 40° C	- 20 °C to 45 °C			- 20 °C to 50 °C			- 10 °C to 40 °C	- 10 °C to 50 °C			0 °C to 40 °C
Motor model	-	DJI 2313S	DJI 3510	DJI 3515			DJI 3515			DJI 6010	DJI 6010	DJI 10010	DJI 6010	DJI 6010
Propeller model	DJI 8743F	DJI 9450S	DJI 1345S	DJI 1760S			DJI 1760S			DJI 2170R DJI 2195	DJI 2170R	DJI 2880	DJI 2170R	DJI 2170R
Obstacle avoidance	- Front/Rear: 0.5 – 20/16 m & H40°-V70°/H60°-V77° - Left/Right: 0.5 – 10 m & H80°-V65° - Top (infrared sensor): 0.1 – 8 m - Down: (VPS + infrared): 0.5 – 11 m & F100°-S83° (+ LEDs)	- Front / Rear (binocular optical sensors): 0.7 – 30 m - Sideways (infrared): 0.2 – 7 m - Downward (VPS): 0.7 – 30 m	Guidance (optional)	- Front (2x stereoscopic cameras): 0.7-30m - Top (infrared sensor): 0-5m - Downward (2x stereoscopic cameras + 2x ultrasonic sensors): 0.1-5 m			- Front (2x stereoscopic cameras): 0.7-30m - Top (infrared sensor): 0-5m - Downward (2x stereoscopic cameras + 2x ultrasonic sensors): 0.1-5 m			-	-	-	-	Front and rear: 1.5 – 3.0m
Features	- Omnidirectional obstacle sensing - Self-heating intelligent batteries - GPS Timestamp - Upgraded APAS (Advanced Pilot Assistance System) - Built-in internal storage: 24GB - Data security lock (password for power, link, access) - Local Data Mode (LDM) - Discreet Mode - DJI AirSense: ADS-B receiver - Mobile SDK Accessories (microUSB-AB): - Spotlight: 58g, 68x60x41mm, 26W max, 2400 lumens), FoV: 17° - Anti-collision beacon: 24g, 68x40x27.8mm, 1.6W, 55-157cd, 5km - Loudspeaker: 61g, 68x55x65mm, 10W, 100 dB, 16kps, 1.5s latency	- External RTK network or D-RTK v2 mobile station - 4G connection RC <=> RTK - RTK pos. accuracy: Hor. 1cm+1ppm, Ver. 1.5cm+1ppm - Map building accuracy: 720p real-time or 4K PPK (no GCPs) - GSD (Ground Sample Distance): 100m: 3cm, 200m: 6cm - TimeSync – CMOS center position - Data recorded in EXIF and XMP - Intelligent battery - Mobile SDK	- Intelligent battery - Universal comms ports - Onboard SDK and Mobile SDK - Compatible with Guidance and Manifold	- Intelligent battery - FPV camera - DJI AirSense (built-in ADS-B receiver) - IP 43 - Mobile SDK and Payload SDK - 3DES encryption for command-control		-	- Intelligent battery - FPV camera - DJI AirSense (built-in ADS-B receiver) - IP 43 - Mobile SDK, Payload SDK and Web SDK - AES-256 encryption for video and command-control - Calibration for center of gravity - One-click upgrade - TimeSync – CMOS center position		-	- Intelligent battery - Retractable landing gear - Compatible with D-RTK v1 - Onboard SDK and Mobile SDK	-	- Smart mode - Manual mode - A-B route - Banked turning		
Apps	DJI Pilot (Android & iOS) DJI FlightHub (Browser)	DJI GS RTK (Android) DJI FlightHub (Browser)	DJI GO (Android & iOS) DJI GS Pro (iOS)	DJI GO 4 (Android & iOS) DJI Pilot (Android) DJI GS Pro (iOS) DJI FlightHub (Browser)			DJI Pilot (Android) DJI GS Pro (iOS) DJI FlightHub (Browser)			DJI GO (Android & iOS) DJI GS Pro (iOS) DJI FlightHub (Browser)	DJI GO (Android / iOS) DJI GS Pro (iOS)			MG v2.0

								
	Mavic 2 Enterprise (Zoom)	Mavic 2 Enterprise (Dual)	Zenmuse XT	Zenmuse XT2	Zenmuse Z30	Zenmuse X4S	Zenmuse X5S	
Created for	Public Safety	Public Safety & Industrial inspections	Thermal imaging	Thermal and RGB imaging	Precise aerial inspection from long distances	Mapping and Surveying – mechanical shutter	Film production – interchangeable lens, big sensor	
Compatible drones	Mavic 2 Enterprise	Mavic 2 Enterprise Dual	Matrice 100, Matrice 200 series (with adaptor) V1 and V2, Matrice 600 Pro	Matrice 200 series V1 and V2, Matrice 600 Pro (with adaptor)	Matrice 100 (with adaptor), Matrice 600 Pro (with adaptor), Matrice 200 series V1 and V2	Inspire 2, Matrice 200 series V1 and V2	Inspire 2, Matrice 200 series V1 and V2	
Dimensions	-		103 x 74 x 102 mm	124 x 113 x 127 mm (25mm lens) 118 x 112 x 126 mm (other lens)	152 x 137 x 61 mm	125 x 100 x 80 mm	140 x 98 x 132 mm	
Weight	-		270 g	629 g (25mm lens) 588 g (other lens)	556 g	253 g	461 g	
Camera stabilisation	3-axis (pitch, roll, yaw)		3-axis (pitch, roll, yaw)	3-axis (pitch, roll, yaw)	3-axis (pitch, roll, yaw)	3-axis (pitch, roll, yaw)	3-axis (pitch, roll, yaw)	
Angular vibration range	±0.005°		±0.03°	±0.01°	±0.01°	±0.01°	±0.01°	
Controllable range	Tilt: +30° to -90° Pan: ±75°		Tilt: +35° to -90° Pan: ±320°	Tilt: +30° to -90° Pan: ±320°	Tilt: +40° to -90° Pan: ±320°	Tilt: +30° to -90° Pan: ±320°	Tilt: +30° to -90° Pan: ±320°	
Mechanical range	Tilt: +45° to -135° Pan: ±100°		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	1/2.3" CMOS Effective pixels: 12 MP	Thermal Uncooled VOx microbolometer Sensor resolution: 160 x 120 Sensitivity: <50 mK Pixel size: 12 µm Spectral range: 8 - 14 µm	Uncooled VOx Microbolometer Sensitivity: <50 mK Pixel pitch: 17 µm Spectral Band: 7.5 – 13.5 µm	Thermal Uncooled VOx Microbolometer Sensitivity: <50 mK Pixel pitch: 17µm Spectral Band: 7.5 – 13.5 µm	1/2.8" CMOS Effective pixels: 2.13 MP	1" CMOS Effective pixels: 20 MP	Micro 4/3" CMOS Effective pixels: 20.8 MP	
		Visual 1/2.3" CMOS Effective pixels: 12 MP		Visual 1/1.7" CMOS Effective pixels: 12 MP				
Lens	FOV 82.6° - 47.8° Focal length: 24-48mm (35 mm equivalent) Optical zoom: 2x Digital zoom: 3x	Thermal HFOV: 57° Focal length: 2mm	For 640x512: 7.5, 9, 13, 19mm lens models FOV 90° <=>26° Digital zoom: 2x, 4x, 8x For 336x256: 6.8, 9, 13, 19mm lens models FOV 49.1° <=> 13° Digital zoom: 2x, 4x	Thermal For 640x512: 13, 19, 25 mm lens models FOV 45° <=> 20° Digital zoom: 2x, 4x, 8x For 336x256: 9, 13, 19 mm lens models FOV 35° <=> 13° Digital zoom: 2x, 4x	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 lenses ranging from 18-90mm equivalent in a 35mm camera DJI MFT 15mm/1.7 ASPH: FOV 72° Focal length: 15mm (30mm equivalent on a 35mm camera)	
		Visual FOV 85° Focal length: 24mm (35 mm eq.)		Visual FOV: 57.12° - 42.44° (8 mm focus) Digital zoom: 2x, 4x, 8x				
Aperture	f/2.8-3.8	Thermal f/1.1	f/1.25-1.4	Thermal f/1.1-1.25	f/1.6 (Wide) – f/4.7 (Tele)	f/2.8-11 11.6 stops	f/1.7-16 (DJI MFT 15mm/1.7 APSH) 12.8 stops	
		Visual f/2.8		Visual f/1.8				
ISO	100 – 3200 (video) 100 – 3200 (picture)	Visual 100 – 3200 (video) 100 – 1600 (picture)	- (fixed value)	- (fixed value)	100 – 1600 (video) 100 – 1600 (picture)	100 – 6400 (video) 100 – 12800 (stills)	100 – 6400 (video) 100 – 25600 (stills)	
Shutter speed	Elect: 8 – 1/8000s	Visual Elect: 8 – 1/8000s	640x512: 1/100s 336x256: 1/80s	Visual 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, DNG (RAW)	Thermal JPEG	JPEG, TIFF, R-JPEG	Thermal JPEG, TIFF, R-JPEG	JPEG	JPEG, DNG (RAW)		
		Visual JPEG		Visual JPEG				
Video format	MOV, MP4	Thermal MOV, MP4	MP4	Thermal MOV, MP4, TIFF SEQ, SEQ	MOV, MP4	MOV, MP4	MOV, MP4 (With Inspire 2: CinemaDNG (RAW) & ProRes)	
		Visual MOV, MP4		Visual MOV, MP4				
Image max. resolution	4000x3000	Thermal 640x360 (16:9) 640x480 (4:3)	640x512	Thermal 640x512	2.13 MP 1920x1080	20 MP 3:2, 5472x3648 4:3, 4864x3648 16:9, 5472x3078	20.8 MP 4:3, 5280x3956 16:9, 5280x2970	
		Visual 4056x2280 (16:9) 4056x3040 (4:3)		Visual 4000x3000				
Video max. resolution	4K UHD @30fps 2.7K@60fps 1080p@120fps	Thermal 640x360 @8.7fps	Digital video display: 640x512 Analog video display: 720x480 (NTSC) and 720x576 (PAL)	Thermal 640x512	FHD: 1920x1080p @30fps	H.264 - C4K @60fps H.265 - C4K @30fps	C4K @60fps With Inspire 2: CinemaDNG: 5.2K @30fps (2.44:1) ProRes: 5.2K @30fps (2.44:1)	
		Visual 4K UHD @30fps 2.7K@30fps 1080p@30fps		Visual 4K UHD @30fps				
Max. video bitrate	100 Mbps	Thermal 3 Mbps	2 Mbps	Thermal 2 Mbps	7.9 Mbps	100 Mbps	100 Mbps	
		Visual 100 Mbps		-				
Codec	H.264		H.264	H.264	H.264	H.264 & H.265		
Operating temperature	-10 °C to 40 °C		-10 °C to 40 °C	-20 °C to 50 °C	-10 °C to 45 °C	-10 °C to 40 °C		
Exposure modes	Auto, Manual	Visual: Auto, Manual	-	Visual: Auto, Manual	Auto, Manual, Shutter priority, Aperture priority Exp. compensation: ±2.3 (1/3 incr.)	Auto, Manual, Shutter priority, Aperture priority Exp. compensation: ±3.0 (1/3 increments)		
Operation modes	Capture / Record / Playback	Visual: Capture / Record / Playback	-	Visual: Capture / Record / Playback	Capture / Record / Playback	Capture / Record / Playback		
Still photography modes	- Single shot - Burst shooting (3/5/7 frames) - Auto Exposure Bracketing (AEB) - Interval	- Single shot - Burst shooting (3/5/7 frames) - Interval (only Visual)	-	Visual - Single shot - Burst shooting (3/5/7 frames) - Interval	- Single shot - Burst shooting (3/5/7 frames) - Interval	- Single shot - Burst shooting (3/5/7 frames) - Interval - Auto Exposure Bracketing		
Other features	- Color mode: D-CineLike - D-HDR – 13 RAW pictures	Thermal Auto gain: - Low: -10 to 140°C (±5%) - High: -10 to 400°C (±10%)	-	- IP 44 rating Thermal: - High gain: 640x512: -25 °C to 135 °C 336x256: -25 °C to 100 °C - Low gain: -40 °C to 550 °C	-	-		