DOKUMEN MEJA

| **Bil** | | **KETERANGAN** | **Kuantiti** | **Harga** |
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| **1** | **DRONE SPEC** | | **1 Nos** |  |
|  | A- AIRCRAFT:   1. Takeoff Weight : Mavic 3: 895 g, Mavic 3 Cine: 899 g 2. Dimensions (Folded / Unfolded) : Folded (without propellers) 221×96.3×90.3 mm (Length × Width × Height), Unfolded (without propellers) 47.5×283×107.7 mm (Length × Width × Height) 3. Diagonal Length : 380.1 mm 4. Max Ascent Speed : 1 m/s (C mode) , 6 m/s (N mode) 8 m/s (S mode) 5. Max Descent Speed :1 m/s (C mode), 6 m/s (N mode), 6 m/s (S mode) 6. Max Flight Speed (at sea level, no wind) : m/s (C mode), 15 m/s (N mode), 19 m/s (S mode) 7. Max Service Ceiling Above Sea Level :6000 m 8. Max Flight Time (no wind) : 46 minutes 9. Max Hovering Time (no wind) :40 minutes 10. Max Flight Distance : 30 km 11. Max Wind Speed Resistance : 12 m/s 12. Max Tilt Angle : 25° (C mode), 30° (N mode), 35° (S mode) 13. Max Angular Velocity : 200°/s 14. Operating Temperature : -10° to 40° C (14° to 104° F) 15. GNSS : GPS + Galileo + BeiDou 16. Hovering Accuracy Range : **Vertical:** ±0.1 m (with Vision Positioning); ±0.5 M (with GNSS Positioning), **Horizontal**: ±0.3 m (with Vision Positioning); ±0.5 m (with High-Precision Positioning System) 17. Internal Storage : Mavic 3: 8 GB (available space is approx. 7.2 GB) | |  |  |
| B - HASSELBLAD CAMERA :   1. Lens : FOV: 84°, Format Equivalent: 24 mm, Aperture: f/2.8 to f/11, Focus: 1 m to ∞ (with autofocus) 2. ISO Range : Video: 100-6400, Still Image: 100-6400 3. Shutter Speed : Electronic Shutter: 8-1/8000 s 4. Max Image Size : Main Unit: 5280×3956 5. Still Photography Modes : Single shot: 20MP Photos, Automatic Exposure Bracketing (AEB): 20 MP, 3/5 bracketed frames at 0.7 EV, Timed: 20 MP, 2 / 3 / 5 / 7 / 10 / 15/20/30/60 s 6. Video Resolution : Apple ProRes 422 HQ, 5.1K: 5120 × 2700@24/25/30/48/50fps, DCI 4K: 4096 × 2160 @ 24 / 25 /30/48/50/60/120\*fps, 4K: 3840 × 2160 @ 24 / 25 / 30 / 48/50/60/120\*fps, H.264/H.265, 5.1K: 5120 × 2700 @ 24 / 25/30/48/50fps, DCI 4K: 4096 × 2160 @ 24 / 25 / 30 / 48/50/60/120\*fps, 4K: 3840 × 2160 @ 24 / 25 / 30 / 48 / 50 /60/120\*fps, FHD: 1920 × 1080p @ 24 / 25 / 30 / 48 / 50 /60/120\*/200\*fps   \* Framerates above are recording framerates. Videos will be played as slow-motion videos.   1. Max Video Bitrate : H.264/H.265 Bitrate: 200 Mbps 2. Supported File Formats : exFAT 3. Photo Format : JPEG/DNG (RAW) 4. Video Formats : MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265), MOV (Apple ProRes 422 HQ) | |  |  |
| C - TELE CAMERA :   1. Sensor : 1/2-inch CMOS 2. Shutter Speed : Electronic Shutter: 2-1/8000 s 3. Lens : FOV: 15°, Format Equivalent: 162mm, Aperture: f/4.4, Focus: 3 m to ∞ 4. ISO Range : Video: 100-6400, Still Image: 100-6400 5. Max Image Size : 4000×3000 6. Photo Format : JPEG 7. Video Formats : MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265) 8. Still Photography Modes : Single shot: 12MP Photos, FHD: 1920×1080@30 fps 9. Digital Zoom : 4x | |  |  |
| D- GIMBAl :   1. Stabilization :3-axis motorized (tilt, roll, pan) 2. Mechanical Range : Tilt: -135° to 100°, Roll: -45° to 45°, Pan: -27° to 27° 3. Controllable Range : Tilt: -90° to 35°, Pan: -5° to 5° 4. Max Control Speed (tilt) :100°/s 5. Angular Vibration Range : ±0.007° | |  |  |
| E- SENSING:   1. Sensing System : Omnidirectional binocular vision system, supplemented with an infrared sensor at the bottom of the aircraft 2. Forward : Measurement Range: 0.5-20 m, Detection Range: 0.5-200 m, Effective Sensing Speed: Flight Speed ≤ 15m/s, FOV: Horizontal 90°, Vertical 103° 3. Backward : Measurement Range: 0.5-16 m, Effective Sensing Speed: Flight Speed ≤ 12m/s, FOV: Horizontal 90°, Vertical 103° 4. Lateral : Measurement Range: 0.5-25 m, Effective Sensing Speed: Flight Speed ≤ 15m/s, FOV: Horizontal 90°, Vertical 85° 5. Upward : Measurement Range: 0.2-10 m, Effective Sensing Speed: Flight Speed ≤ 6m/s, FOV: Front and Back 100°, Left and Right 90° 6. Downward : Measurement Range: 0.3-18 m, Effective Sensing Speed: Flight Speed ≤ 6m/s, FOV: Front and Back 130°, Left and Right 160° 7. Operating Environment :Forward, Backward, Left, Right, and Upward: Surface with a clear pattern and adequate lighting (lux>15), Downward: Surface with a clear pattern and adequate lighting (lux >15). Diffuse reflective surface with diffuse, reflectivity>20% (e.g. wall, tree, person) | |  |  |
| F- VIDEO TRANSMISSION :   1. Video Transmission System : O3+ 2. Live View Quality : Remote Controller : 1080p @ 30fps / 1080p@60fps. 3. Operation Frequency : 2.400-2.4835 GHz, 5.725-5.850 GHz. 4. Max Transmission Distance (unobstructed, free of interference : 2.400-2.4835 GHz; 5.725-5.850 GHz, FCC: 15 km. 5. Signal Transmission Ranges (FCC) : Strong Interference (urban landscape, limited line of sight, many competing signals): Approx. 1.5-3 km, Medium Interference (suburban landscape, open line of sight, some competing signals): Approx. 3-9 km, Low Interference (open landscape abundant line of sight, few competing signals): Approx. 9-15 km, Data is tested under different standards in open areas free of interference. It only refers to the maximum, one-way flight distance without considering Return to Home. Please pay attention to RTH prompts in the DJI Fly app during actual flight. 6. Max Download Bitrate : O3+, 5.5MB/s (with RC-N1 remote controller), 15MB/s (with DJI RC Pro remote controller), Wi-Fi 6, 80MB/s   \*Measured in laboratory environments with little interference in countries/regions that support both 2.4GHz and 5.8GHz, and the footage is saved in the built-in SSD or internal storage. Download speed may vary depending on actual conditions   1. Latency (depending on environmental conditions and mobile device) : 130 ms (with RC-N1 remote controller), 120 ms (with DJI RC Pro remote controller) 2. Antennas : 4 antennas, 2T4R 3. Transmitter Power (EIRP) : 2.4 GHz: ≤33 dBm (FCC); ≤20 dBm (CE/SRRC/MIC), 5.8 GHz: ≤33 dBm (FCC), ≤30 dBm(SRRC), ≤14 dBm(CE) | |  |  |
| G- BATTERY   1. Capacity : 5000 mAh. 2. Voltage : 15.4 V. 3. Charging Voltage Limit : 17.6 V. 4. Battery Type : LiPo 4S. 5. Energy : 77 Wh. 6. Weight : 335.5 g 7. Charging Temperature : 5° to 40° C (41° to 104° F) | |  |  |
| H- BATTERY CHARGER :   1. Input : 100-240 V AC, 47-63 Hz, 2.0 A. 2. USB-C Output : USB-C: 5.0 V⎓5.0 A/9.0 V⎓5.0 A/12.0 V⎓5.0 A/15.0 V⎓4.3 A/20.0 V⎓3.25 A/5.0~20.0 V⎓3.25A. 3. USB-A output : USB-A: 5 V⎓2 A. 4. Rated Power : 65 W. | |  |  |
| I- CHARGING HUB   1. Input : USB-C 5-20 V⎓5.0 A max. 2. Output Battery: 12-17.6 V⎓5.0 A max. 3. Charging Type : Charges three batteries in sequence. 4. Charging Temperature Range : 5° to 40° C (41° to 104° F) | |  |  |
| J- CAR CHARGER   1. Input : Car Power Input 12.7-16 V⎓6.5 A, rated voltage 14 V DC. 2. Output : USB-C 5.0 V⎓5.0 A/9.0 V⎓5.0 A/12.0 V⎓5.0 A/15.0 V⎓4.3A/20.0 V⎓3.25 A/5.0~20.0 V⎓3.25 A, USB-A: 5 V⎓2 A. 3. Rated Power : 65 W. 4. Charging Time : Approx. 96 minutes. 5. Charging Temperature Range : 5° to 40° C (41° to 104° F) | |  |  |
|  | K - STORAGE   1. microSD Cards | |  |  |
|  | L - DJI RC-N1 REMOTE CONTROLLER:   1. Remote Controller Transmission System : When used with different aircraft hardware configurations, DJI RC-N1 Remote Controllers will automatically select the, corresponding firmware version for updating and support the following transmission technologies enabled by the hardware performance of the linked aircraft models:   a) DJI Mini 2/ DJI Mavic Air 2: O2  b) DJI Air 2S: O3  c) DJI Mavic 3: O3+   1. Max Supported Mobile Device Size : 180×86×10 mm (Length×Width×Height) 2. Operating Temperature : 0° to 40° C (32° to 104° F) 3. Transmitter Power (EIRP) : 2.4 GHz:, ≤26 dBm (FCC), ≤20 dBm (CE/SRRC/MIC), 5.8 GHz: , ≤26 dBm (FCC / SRRC), ≤14 dBm (CE). 4. Battery Life : Without charging any mobile device: 6 hr; , when charging mobile device: 4 hr 5. Supported USB Port Types : Lightning, Micro USB, USB-C | |  |  |
| **2** | **LAPTOP** | | **2 NOS** |  |
|  | 1. Operation System : Windows 10 Pro 64 bit or latest 2. **Processor** : Intel® Core™ i7-11800H (up to 4.6 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 8 cores, 16 threads) Intel® Core™ i5-11400H (up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores, 12 threads) 3. **Memory** : Dual channel memory support, 2 user-accessible 16 GB Up to 32 GB DDR4-3200 MHz. 4. **Hard Drive** : 512GB up to 1 TB PCIe® NVMe™ TLC M.2 SSD, Up to Two 1 TB PCIe® NVMe™ TLC M.2 SSD with RAID 0 configured. 5. **Graphics Card** : Intel® UHD Graphics NVIDIA® GeForce RTX™ 3070 Laptop GPU (8 GB GDDR6 dedicated) , NVIDIA® Max-Q technology7, NVIDIA® GeForce RTX™ 3060 Laptop GPU (6 GB GDDR6 dedicated) 6. **Expansion Slot :** 1 microSD (Supports SD, SDHC,SDXC) 7. **Optical Drive :** 9.5 mm Slim DVD-Writer. 8. **Camera :** HP Wide Vision 720p HD camera with integrated dual array digital microphones. 9. **Network Adapter :**  Integrated intel® Gigabit Ethernet. 10. **Warranty :** 3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and include free telephone support 24 x 7. 11. **Others :** Business Beg Pack, HDMI Plug to VGA Receptacle Adaptor | |  |  |
| **3** | **WORKSTATION** | | **1 NOS** |  |
|  | 1. Operation System : Windows 10 Pro 64 bit or latest. 2. Processor : Intel® Xeon® E-22233 (3.6 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8.25 MB cache, 4 cores). 3. Memory : 16 GB DDR4-2933 SDRAM (2 x 8 GB). 4. Processor Family : Intel® Xeon® E processor. 5. Chipset : Intel® C422; Intel® X299. 6. Memory Slots : 8 DIMM. 7. Hard Drive : 480 GB SSD storage, Hard Drive (2nd 1 TB HDD storage. 8. Optical Drive : 9.5 mm Slim DVD-Writer. 9. Graphics : NVIDIA® Quadro® P2200 (5 GB GDDR5X dedicated). 10. Warranty : 3/3/3 standard warranty. Three years onsite, next business day, three years parts and three years labor and include free telephone support 24 x 7. | |  |  |
| **4** | **INTERACTIVE SMART DISPLAY DEVICE** | | **1 NOS** |  |
|  | A - 65” DWI-SYSTEM SMARTBOARD WITH MULTITOUCH DISPLAY:   1. **Display** : Backlight : LED backlight, Resolution : 3840\*2160, Brightness : 450cd/m2, Respond time : 9.5ms, Panel life : ≥50000 hours, Working power :≦320W, Speaker : 8Ω/10W\*2. 2. **Android specification** : Android OS : Android8, RAM : 4G, Processor : MSD6A 638 ,ROM 32G, Touch points : 20 touch points, Integrated Wireless Sharing : Android, Windows, Touch Technology : Infrared, 3. Warranty : 3 years. 4. Add On Slot PC : Windows 10, Processor, Intel i5, 8GB Ram, 256GB SSD | |  |  |
|  | B - ADJUSTABLE FLOOR STAND TV CARTS FOR 55” TO 80”- TS181-BLK :   1. Product Name: sliding Height Adjustable floor stand tv mount 2. Material : steel 3. Color : black 4. Loading Capacity : 200lbs/90.9kg 5. Tray Loading Capacity : 25lbs/11.4kg 6. Adjustable Height : 1350- 1650mm 7. TV size : 55-80inch 8. Finishing : powder black | | 1 NOS |  |
| **5** | **SCOPE OF SUPPLY FOR 1 COMPLETE SET** | |  |  |
|  | i. Multirotor Aircraft body | | 1 Unit |  |
| ii. Camera and Gimbal Set | | 1 UNit |  |
| iii. Gimbal Clamp | | 1 Unit |  |
| iv. 2.4GHz Remote Controller with Built-in Display | | 1 Unit |  |
| v. Intelligent Flight battery (5870mAh/ 15.2V) | | 3 Unit |  |
| vi. Low Noise Propeller | | 2 Set |  |
| vii. Battery Charging Hub | | 1 Unit |  |
| viii. Remote Controller Landyard | | 1 Unit |  |
| viii. MicroSD card 128GB | | 1 Unit |  |
| x. USB OTG data cable | | 1 Unit |  |
| xi. Multifunctional backpack | | 1 Unit |  |
| xii. Mission Planner software | | 1 Unit |  |
| xiii. Image Processing | | 1 Unit |  |
| xiv. User Manual | | 1 Unit |  |
| **6** | **TRAINING ( DRONE )** | |  |  |
|  | On-site with Two (2) days training is to be provided to a minimum of 10 persons prior to the completion of commissioning and this training is deemed to be part of the commissioning process.  The training shall be conducted by at least one qualified instructor.  The training shall include minimally the following content. However suppliers may propose their own training content but the proposed content shall minimally cover the areas listed below:  i. Basic theory of Multi-Rotor Drone For Mapping  ii. Standard Operating Procedure for Mapping Applications  iii. Instrumentation Orientation and Familiarisation  iv. Operation of the Multi-Rotor Drone (Hand-on Training)  v. Image Processing to produce Orthophoto, DTM, DSM, Contour and Data Analysis.  vi. User Maintenance and care of instrument  The supplier shall include their proposed training schedule together with their offer.  Certification of the user training is to be provided by the supplier to the staff involved. All costs arising from this certification shall be borne by the supplier | | 1 Lot |  |
| **7** | **WARRANTY (DRONE)** | |  |  |
|  | The warranty period must not be less than ONE (1) year from the date of commissioning. | | 1 Lot |  |