

Average Annual Turnover

Each Bidder must fill in this form

Annual Turnover Data for the Last 3 Years		
Year	Amount Currency	MVR Equivalent
2021		
2020		
2019		

Average Annual Turnover

The information supplied should be the Annual Turnover of the Bidder in terms of the amounts billed to clients for each year for contracts in progress or completed at the end of the period reported.

Line of Credit Letter

[letterhead of the Bank/Financing Institution/Supplier]

[date]

To: *[Name and address of the Contractor]*

Dear,

You have requested { name of the bank/financing institution} to establish a line of credit for the purpose of executing {insert Name and identification of Project}.

We hereby undertake to establish a line of credit for the aforementioned purpose, in the amount of {insert amount}, effective upon receipt of evidence that you have been selected as successful bidder.

This line of credit will be valid through the duration of the contract awarded to you.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

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RTK RGB aerial Mapping Drone AND GNSS Mobile Base Station

Required Items

QTY	Description
1	Aircraft (Drone)
1	Remote Controller
4	Propeller Pair
6	Intelligent Flight Battery
1	AC Power Cable
1	WB37 Remote Controller Intelligent Battery
1	AC Power Adapter
1	Intelligent Battery Charging Hub
1	Intelligent Flight Battery Charging Hub
1	Gimbal Clamp
2	MicroSD Card (16GB & 64 GB)
1	Carrying Case
1	Micro USB Cable
1	USB-C Cable
1	USB-C OTG Cable
1	In-line skate style wheel Hard Carry Case

Technical Specification

Aircraft

Takeoff Weight	1391 g
Diagonal Distance	350 mm
Max Service Ceiling Above Sea Level	19685 ft (6000 m)
Max Ascent Speed	6 m/s (automatic flight); 5 m/s (manual control)
Max Descent Speed	3 m/s
Max Speed	31 mph (50 kph)(P-mode) 36 mph (58 kph)(A-mode)
Max Flight Time	Approx. 30 minutes

Operating Temperature Range	32° to 104° F (0° to 40°C)
Operating Frequency	2.400 GHz to 2.483 GHz (Europe, Japan, Korea) 5.725 GHz to 5.850 GHz (United States, China)
Transmission Power (EIRP)	2.4 GHz 5.8 GHz
Hover Accuracy Range	RTK enabled and functioning properly : Vertical : ±0.1 m ; Horizontal : ±0.1 m)

Mapping Functions

Mapping Accuracy **	Mapping accuracy meets the requirements of the ASPRS Accuracy Standards for Digital Orthophotos Class III ** The actual accuracy depends on surrounding lighting and patterns, aircraft altitude, mapping software used, and other factors when shooting.
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Ground Sample Distance(GSD)	(H/36.5) cm/pixel, H means the aircraft altitude relative to shooting scene (unit: m)
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Data Acquisition Efficiency	Max operating area of approx. 1 km ² for a single flight(at an altitude of 182 m, i.e., GSD is approx. 5 cm/pixel, meeting the requirements of the ASPRS Accuracy Standards for Digital Orthophotos Class III
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Camera

Sensor	1" CMOS; Effective pixels: 20 M
Lens	FOV 84° ; 8.8 mm / 24 mm(35 mm format equivalent:24 mm) ; f/2.8 - f/11, auto focus at 1 m - ∞
ISO Range	Video:100-3200(Auto) 100-6400(Manual) ; Photo:100-3200(Auto) 100-12800(Manual)
Mechanical Shutter Speed	8 - 1/2000 s
Electronic Shutter Speed	8 - 1/8000 s

Differential Data Format

RTCM 2.X/3.X

IMU

Features

Built-in high-precision 6-axis accelerometer
D-RTK 2 movement monitoring
Sloping measurements
Electronic bubble level

Physical Characteristics

Dimensions (D-RTK 2 body with extension rod)

168 mm×168 mm×1708 mm

IP Rating

IP65

Communication and Data Storage

Data Link

OcuSync, Wi-Fi, LAN, 4G

Operating Frequency

2.400 GHz to 2.483 GHz (China, United States, Australia, Europe, Japan, Korea)
5.725 GHz to 5.850 GHz (China, United States, Australia)

EIRP

OcuSync
2.4 GHz
SRRC (Mainland China) / CE (Europe) / MIC (Japan) / KCC (Korea): < 20 dBm
FCC (United States, Australia) / NCC (Taiwan, China): < 26 dBm
5.8 GHz
FCC (United States, Australia) / SRRC (Mainland China) / NCC (Taiwan, China): < 26 dBm
Wi-Fi
2.4 GHz
SRRC (Mainland China) / CE (Europe) / MIC (Japan) / KCC (Korea): < 20 dBm
FCC (United States, Australia) / NCC (Taiwan, China): < 22 dBm
5.8 GHz
FCC (United States, Australia) / SRRC (Mainland China) / NCC (Taiwan, China): < 22 dBm

Communication Distance

Operating Mode 1/3
SRRC/NCC/FCC/MIC/KCC/CE: 2 km
(Unobstructed and free of interference, when the D-RTK 2 Mobile Station is used as a base station)

and the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m, when the difference in height between the remote controller and D-RTK 2 is less than 2 m, and when the remote controller is 1.2 m from ground level)

Operating Mode 4

Between the aircraft and mobile station:
 NCC/FCC: 7 km; SRRC/MIC/KCC/CE: 5 km
 Between the remote controller and mobile station: 200 m (Unobstructed and free of interference at a flying altitude of about 120 m, when the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m, and when the remote controller is 1.2 m from ground level)

Operating Mode 5

NCC/FCC: 12 km; SRRC/MIC/KCC/CE: 6 km
 (Unobstructed and free of interference, when the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m)

Memory Capacity	16 GB
Electrical Characteristics	
Power Consumption	12 W
Power Supply	16.5 to 58.8VDC
Battery	Type : Lithium-ion battery Capacity: 4920 mAh Energy: 37.3 WH
Run Time	WB37 battery : >2 h MG-12000P battery : >50 h
Operating Temperature	
Operating Temperature	4° to 131° F (-20° to 55° C)

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RTK multispectral Aerial Mapping Drone AND GNSS Mobile Base Station

Required Items

QTY	Description
1	Aircraft (Drone)
1	Remote Controller
4	Propeller Pair
6	Intelligent Flight Battery
1	Intelligent Flight Battery Charging Hub
1	Gimbal Clamp
2	MicroSD Card (16GB & 64GB)
1	Carrying Case
1	Micro USB Cable
1	USB-C Cable
1	USB-C OTG Cable
1	In-line skate style wheel Hard Carry Case

Technical Specification

Aircraft

- *Takeoff Weight*
 - 1487 g
- *Diagonal Distance (Propellers Excluded)*
 - 350 mm
 - *Max Service Ceiling Above Sea Level*
 - 19685 ft (6000 m)
- *Max Ascent Speed*
 - 6 m/s (automatic flight); 5 m/s (manual control)
- *Max Descent Speed*
 - 3 m/s

- **Multi-Frequency Multi-System High-Precision RTK GNSS**
 - Frequency Used
 GPS: L1/L2; GLONASS: L1/L2; BeiDou: B1/B2; Galileo^[2]: E1/E5
 First-Fixed Time: < 50 s
 Positioning Accuracy: Vertical 1.5 cm + 1 ppm (RMS); Horizontal 1 cm + 1 ppm (RMS).
 1 ppm indicates error with a 1 mm increase over 1 km of movement.
 Velocity Accuracy: 0.03 m/s

Gimbal

- **Controllable Range**
 - Tilt: -90° to +30°

Vision System

- **Velocity Range**
 - ≤ 31 mph (50 kph) at 6.6 ft (2 m) above ground with adequate lighting
- **Altitude Range**
 - 0 - 33 ft (0 - 10 m)
- **Operating Range**
 - 0 - 33 ft (0 - 10 m)
- **Obstacle Sensory Range**
 - 2 - 98 ft (0.7 - 30 m)
- **Operating Environment**
 - Surfaces with clear patterns and adequate lighting (> 15 lux)

Camera

- **Sensors**
 - Six 1/2.9" CMOS, including one RGB sensor for visible light imaging and five monochrome sensors for multispectral imaging.
 Each Sensor: Effective pixels 2.08 MP (2.12 MP in total)
- **Filters**
 - Blue (B): 450 nm ± 16 nm; Green (G): 560 nm ± 16 nm; Red (R): 650 nm ± 16 nm; Red edge (RE): 730 nm ± 16 nm; Near-infrared (NIR): 840 nm ± 26 nm

- **Lenses**
 - FOV (Field of View): 62.7°
 - Focal Length: 5.74 mm (35 mm format equivalent: 40 mm), autofocus set at ∞
 - Aperture: f/2.2
- **RGB Sensor ISO Range**
 - 200 - 800
- **Monochrome Sensor Gain**
 - 1 - 8x
- **Electronic Global Shutter**
 - 1/100 - 1/20000 s (visible light imaging); 1/100 - 1/10000 s (multispectral imaging)
- **Max Image Size**
 - 1600×1300 (4:3.25)
- **Photo Format**
 - JPEG (visible light imaging) + TIFF (multispectral imaging)
- **Supported File Systems**
 - FAT32 (≤ 32 GB); exFAT (> 32 GB)
- **Supported SD Cards**
 - microSD with a minimum write speed of 15 MB/s. Max Capacity: 128 GB. Class 10 or UHS-1 rating required
- **Operating Temperature**
 - 0° to 40° C (32° to 104° F)

Remote Controller

- **Operating Frequency**
 - 2.4000 GHz to 2.4835 GHz (Europe, Japan, Korea)
 - 5.725 GHz to 5.850 GHz (Other countries/regions)^[1]
- **Transmission Power (EIRP)**
 - 2.4 GHz: < 20 dBm (CE / MIC / KCC)
 - 5.8 GHz: < 26 dBm (FCC / SRRC / NCC)
- **Max Transmission Distance**
 - FCC / NCC: 4.3 mi (7 km)
 - CE / MIC / KCC / SRRC: 3.1 mi (5 km)(Unobstructed, free of interference)
- **Built-in Battery**
 - 6000 mAh LiPo 2S

In-line skate style wheel Hard Carry Case
FEATURES

- Compatibility: DJI Phantom 4 RTK and Multispectral Drone
- Water-jet precision cut with closed cell foam to resist water and dust infiltration.
- Industrial strength injection molded pull handle
- In-line skate style wheels for easy transport
- Padlock holes include stainless steel padlock protector clips
- Waterproof and dust tight design (MIL-C-4150J)
- Molded-in hinge for added protection
- Trigger release latch system
- Snap-down rubber over-molded cushion grip handle
- Ambient pressure equalization valve (MIL-STD-648C)
- Resistant to UV, solvents, corrosion, fungus (MIL-STD-810F)
- Resistant to impact damage (MIL-STD-810F)

Exterior Length	28.60 in
Exterior Width	20 in
Exterior Depth	13.65 in
Interior Length	26 in
Interior Width	17 in
Interior Depth	12 in
Weight	25 lb
Shipping Weight	28 lb

Required Items

QTY	Description
1	GNSS Base Station
1	Extension Rod
1	Tripod
1	Charging Hub
1	AC Power Adapter
2	Intelligent Battery (WB37)
1	Battery Cover
1	AC Power Cable
1	USB-C Cable

Technical Specification

GNSS Receiver

GNSS Frequency	Simultaneously receive : GPS: L1 C/A, L2, L5 BEIDOU: B1, B2, B3 GLONASS: F1, F2 Galileo: E1, E5A, E5B
Positioning Accuracy	Single Point Horizontal : 1.5 m(RMS) Vertical : 3.0 m(RMS) RTK Horizontal : 1 cm+ 1 ppm(RMS) Vertical : 2 cm+ 1 ppm(RMS) 1 ppm: For every 1 km increase in distance, the accuracy will be 1 mm less. For example, the horizontal accuracy is 1.1 cm when the receiving end is 1 km away from the base station.
Positioning Update Rate	1 Hz, 2 Hz, 5 Hz, 10 Hz and 20 Hz
Cold Start	<45 s
Hot Start	<10 s
Recapture Time	<1 s
Initialization Reliability	>99.9%
Differential Data Format	RTCM 2.X/3.X

IMU

Features	Built-in high-precision 6-axis accelerometer D-RTK 2 movement monitoring Sloping measurements Electronic bubble level
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Physical Characteristics

Dimensions (D-RTK 2 body with extension rod)	168 mm×168 mm×1708 mm
IP Rating	IP65

Communication and Data Storage

Data Link	OcuSync, Wi-Fi, LAN, 4G
Operating Frequency	2.400 GHz to 2.483 GHz (China, United States, Australia, Europe, Japan, Korea) 5.725 GHz to 5.850 GHz (China, United States, Australia)
EIRP	<p>OcuSync</p> <p>2.4 GHz</p> <p>SRRC (Mainland China) / CE (Europe) / MIC (Japan) / KCC (Korea): < 20 dBm</p> <p>FCC (United States, Australia) / NCC (Taiwan, China): < 26 dBm</p> <p>5.8 GHz</p> <p>FCC (United States, Australia) / SRRC (Mainland China) / NCC (Taiwan, China): < 26 dBm</p> <p>Wi-Fi</p> <p>2.4 GHz</p> <p>SRRC (Mainland China) / CE (Europe) / MIC (Japan) / KCC (Korea): < 20 dBm</p> <p>FCC (United States, Australia) / NCC (Taiwan, China): < 22 dBm</p> <p>5.8 GHz</p> <p>FCC (United States, Australia) / SRRC (Mainland China) / NCC (Taiwan, China): < 22 dBm</p>
Communication Distance	<p>Operating Mode 1/3</p> <p>^[L]_[SEP]SRRC/NCC/FCC/MIC/KCC/CE: 2 km</p> <p>^[L]_[SEP](Unobstructed and free of interference, when the D-RTK 2 Mobile Station is used as a base station and the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m, when the difference in height between the remote controller and D-RTK 2 is less than 2 m, and when the remote controller is 1.2 m from ground level)</p> <p>Operating Mode 4</p> <p>^[L]_[SEP]Between the aircraft and mobile station:</p> <p>^[L]_[SEP]NCC/FCC: 7 km; SRRC/MIC/KCC/CE: 5 km</p> <p>^[L]_[SEP]Between the remote controller and mobile station: 200 m (Unobstructed and free of interference at a flying altitude of about 120 m, when the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m, and when the</p>

remote controller is 1.2 m from ground level)

Operating Mode 5

[SEP] NCC/FCC: 12 km; SRRC/MIC/KCC/CE: 6 km
 (Unobstructed and free of interference, when the distance from the D-RTK 2 antenna to the bottom of the tripod is 1.8 m)

Memory Capacity	16 GB
Electrical Characteristics	
Power Consumption	12 W
Power Supply	16.5 to 58.8VDC
Battery	Type : Lithium-ion battery Capacity: 4920 mAh Energy: 37.3 WH
Run Time	WB37 battery : >2 h MG-12000P battery : >50 h
Operating Temperature	
Operating Temperature	4° to 131° F (-20° to 55° C)