



# LoongUAV

Drones & Counter-drone Products



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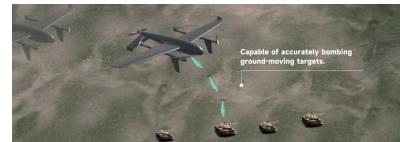
## Bombing Drone



The Bombing Drone is an innovative UAV designed for precision aerial attacks using 60mm, 82mm, or 120mm mortar rounds, achieving effects comparable to guided bombs at a fraction of the cost. This advanced drone offers exceptional cost efficiency, providing million-dollar guided bomb performance for around 100 dollars in operational costs.

### Bombing Accuracy ≤ 3 m

The high-precision automatic bombing algorithm for drones takes into account over 10 factors, including target location, drone flight speed, wind direction, wind speed, humidity, and more. Utilizing current environmental conditions and sensor data, the algorithm dynamically adjusts bombing parameters to achieve optimal accuracy.



### Recommended Products

(For more bombing drone solutions, please contact us)

#### LOONG 3B All-day Plus Combo

It can carry 4 \* 60mm mortar rounds or 2 \* 82mm mortar rounds and is equipped with visible light, infrared, and laser cameras. The drone can perform bombing missions during both day and night, as well as carry out reconnaissance tasks, sending target coordinates to the rear ground control station for further action.



LOONG 3



Dragon VT360R



LS1



Wyvern Bomb-gear

#### LOONG 4B All-day Basic Combo

The LOONG 4 is a multi-rotor drone capable of carrying either 4 \* 60mm mortar rounds or 2 \* 82mm mortar rounds. Equipped with visible light and infrared cameras, it can perform bombing missions both during day and night.



LOONG 4



Dragon VT30



LS2



Wyvern Bomb-gear

## Reconnaissance & Attack Drone



### Recommended Products

(For more reconnaissance & attack drone solutions, please contact us)

#### LOONG 5G Plus Combo

Features a multi-spectral camera system (visible light, infrared, laser rangefinder, and laser target illuminator) for reconnaissance missions, transmitting images and target coordinates to a remote ground control station. It can carry 60mm, 82mm, or 120mm mortar rounds for precise bombing and guide laser-guided weapons.



LOONG 5



Dragon VT360RL



LS1



Wyvern Bomb-gear

#### LOONG 3G Plus Combo

Features a multi-spectral camera system (visible light, infrared, laser rangefinder, and laser target illuminator) for reconnaissance missions, transmitting images and target coordinates to a remote ground control station. It can carry 60mm or 82mm mortar rounds for precise bombing and guide laser-guided weapons.



LOONG 3



Dragon VT360RL



LS1



Wyvern Bomb-gear

# Reconnaissance Drone



## Aerial Reconnaissance

Drones monitor and gather intelligence, providing real-time visual data.

## Target Location Marking

Drones identify and mark specific enemy targets for accurate strikes.

## Battle Damage Assessment

Drones evaluate attack effectiveness and assess enemy asset destruction.

## Laser Illumination

Drones guide laser-guided munitions towards targets, increasing accuracy.

## Recommended Products

(For more reconnaissance drone solutions, please contact us)

### LOONG 1A Basic Combo

Equipped with visible light, infrared, and laser rangefinder tri-camera system, the device can perform reconnaissance missions and transmit images or target coordinates to control ground station.



LOONG 1



Dragon VT360R



LS1

### LOONG 2SA Plus Combo

Features a multi-spectral camera system (visible light, infrared, and laser rangefinder) for reconnaissance missions, transmitting images and achieve rapid reconnaissance of battlefield situations.



LOONG 2S



Dragon VT60R



LS2

### LOONG 3A Plus Combo

Features a multi-spectral camera system (visible light, infrared, laser rangefinder, and laser target illuminator) for reconnaissance missions, transmitting images and target coordinates to a remote ground control station.



LOONG 3



Dragon VT360RL



LS1

# Suicide Drone



Suicide drones directly collide with their targets, detonating their payloads during impact and causing significant damage. Due to their self-destructive nature in the attack process, suicide drones are characterized by their single-use design.

## Recommended Products

(For more suicide drone solutions, please contact us)



LOONG M9



LOONG M5-5000



LOONG M5-2000



LOONG M4



LOONG M2-15



LOONG M2-13



LOONG M2-11



LOONG M2-10



LOONG M2-7



LOONG M1



## LOONG 1E

**1 kg**

Max. Payload

**160 min**

Max. Flight Time

**2400 mm**

Wingspan

**80 km**

Transmission Range



## LOONG 1

**3 kg**

Max. Payload

**160 min**

Max. Flight Time

**3478 mm**

Wingspan

**80 km**

Transmission Range

### Parameters

#### Dimension

|             |         |
|-------------|---------|
| Body Length | 1177 mm |
| Wingspan    | 2400 mm |

#### Comm. & Nav

|                    |                            |
|--------------------|----------------------------|
| Transmission Range | 80 km                      |
| GNSS               | GPS+GLONASS+BeiDou+Galileo |

#### Weight

|                     |      |
|---------------------|------|
| Aircraft Weight     | 7 kg |
| Max. Payload        | 1 kg |
| Max. Takeoff Weight | 8 kg |

#### Environment

|                       |          |
|-----------------------|----------|
| Max. Wind Resistance  | Level 6  |
| IP Protection Rating  | IP54     |
| Operating Temperature | -20~60°C |

#### Performance

|                       |         |
|-----------------------|---------|
| Max. Flight Time      | 160 min |
| Cruising Speed        | 20 m/s  |
| Max. Horizontal Speed | 35 m/s  |
| Max. Ascent Speed     | 4 m/s   |
| Max. Descent Speed    | 3 m/s   |
| Max. Flight Altitude  | 4500 m  |

#### Packaging

|                    |                 |
|--------------------|-----------------|
| Package Dimensions | 1280*530*450 mm |
|--------------------|-----------------|

### Parameters

#### Dimension

|             |         |
|-------------|---------|
| Body Length | 1520 mm |
| Wingspan    | 3478 mm |

#### Comm. & Nav

|                    |                            |
|--------------------|----------------------------|
| Transmission Range | 80 km                      |
| GNSS               | GPS+GLONASS+BeiDou+Galileo |

#### Weight

|                     |        |
|---------------------|--------|
| Aircraft Weight     | 9.5 kg |
| Max. Payload        | 3 kg   |
| Max. Takeoff Weight | 16 kg  |

#### Environment

|                       |          |
|-----------------------|----------|
| Max. Wind Resistance  | Level 6  |
| IP Protection Rating  | IP54     |
| Operating Temperature | -20~60°C |

#### Performance

|                       |         |
|-----------------------|---------|
| Max. Flight Time      | 160 min |
| Cruising Speed        | 21 m/s  |
| Max. Horizontal Speed | 35 m/s  |
| Max. Ascent Speed     | 4 m/s   |
| Max. Descent Speed    | 3 m/s   |
| Max. Flight Altitude  | 4500 m  |

#### Packaging

|                    |                 |
|--------------------|-----------------|
| Package Dimensions | 1552*593*415 mm |
| Package Weight     | 42 kg           |



## LOONG 3

**10 kg**

Max. Payload

**160 min**

Max. Flight Time

**3914 mm**

Wingspan

**80 km**

Transmission Range

## LOONG 5

**15 kg**

Max. Payload

**180 min**

Max. Flight Time

**4800 mm**

Wingspan

**80 km**

Transmission Range

### Parameters

#### Dimension

Body Length 1899 mm  
Wingspan 3914 mm

#### Comm. & Nav

Transmission Range 80 km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Aircraft Weight 15.3 kg  
Max. Payload 10 kg  
Max. Takeoff Weight 35 kg

#### Environment

Max. Wind Resistance Level 7  
IP Protection Rating IP54  
Operating Temperature -20~60°C

#### Performance

Max. Flight Time 160 min  
Cruising Speed 23 m/s  
Max. Horizontal Speed 37 m/s  
Max. Ascent Speed 3.5 m/s  
Max. Descent Speed 2.5 m/s  
Max. Flight Altitude 4500 m

#### Packaging

Package Dimensions Fuselage Box: 1580\*660\*760 mm  
Tail Box: 960\*550\*650 mm  
Package Weight Fuselage Box: 38 kg  
Tail Box: 15 kg

### Parameters

#### Dimension

Body Length 2580 mm  
Wingspan 4800 mm

#### Comm. & Nav

Transmission Range 80 km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Aircraft Weight 20 kg  
Max. Payload 15 kg  
Max. Takeoff Weight 65 kg

#### Environment

Max. Wind Resistance Level 7  
IP Protection Rating IP54  
Operating Temperature -20~60°C

#### Performance

Max. Flight Time 180 min  
Cruising Speed 26 m/s  
Max. Horizontal Speed 40 m/s  
Max. Ascent Speed 3 m/s  
Max. Descent Speed 2.5 m/s  
Max. Flight Altitude 4500 m

#### Packaging

Package Dimensions Fuselage Box: 1810\*980\*720 mm  
Tail Box: 1800\*460\*1110 mm  
Package Weight Fuselage Box: 92 kg  
Tail Box: 39 kg



## LOONG 7

**55 kg**

Max. Payload

**240 min**

Flight Time (Fully Loaded)

**6660 mm**

Wingspan

**80 km**

Transmission Range



## LOONG 15

**280 kg**

Max. Payload

**30 h**

Max. Flight Time

**17100 mm**

Wingspan

**4500 km**

Max. Range

### Parameters

#### Dimension

|             |         |
|-------------|---------|
| Body Length | 3856 mm |
| Body Height | 1260 mm |
| Wingspan    | 6660 mm |

#### Comm. & Nav

|                    |                            |
|--------------------|----------------------------|
| Transmission Range | 80 km                      |
| GNSS               | GPS+GLONASS+BeiDou+Galileo |

#### Weight

|                     |        |
|---------------------|--------|
| Max. Payload        | 55 kg  |
| Max. Takeoff Weight | 200 kg |

#### Performance

|                                    |                                  |
|------------------------------------|----------------------------------|
| Flight Time                        | 240 min (Fully Loaded)           |
| Max. Range                         | 600 km                           |
| Payload Power Capability           | >600 w                           |
| Max. Practical Lift                | 5000 m                           |
| Max. Take-off And Landing Altitude | ≥2500 m (Fully Loaded)           |
| Max. Ascent Speed                  | 5 m/s                            |
| Min. Flight Height                 | 150 m                            |
| Flight Mode                        | Manual Flight / Fully Autonomous |
| Full Fuel Weight                   | 197 kg                           |
| Fully Loaded Voyage                | 550 km                           |
| Max. Engine Speed                  | 6500 rpm                         |
| Cruising Speed                     | 129 km/h                         |
| Max. Speed                         | 155 km/h                         |

#### Environment

|                       |          |
|-----------------------|----------|
| Max. Wind Resistance  | Level 7  |
| IP Protection Rating  | IP54     |
| Operating Temperature | -20-50°C |

#### Packaging

|                    |                   |
|--------------------|-------------------|
| Package Dimensions | 3380*1000*1070 mm |
|--------------------|-------------------|

### Parameters

#### Dimension

|             |          |
|-------------|----------|
| Body Length | 8100 mm  |
| Body Height | 2600 mm  |
| Wingspan    | 17100 mm |

#### Weight

|                     |         |
|---------------------|---------|
| Max. Takeoff Weight | 1250 kg |
| Wing Out Capability | 250 kg  |
| Max. Payload        | 280 kg  |

#### Performance

|                  |              |
|------------------|--------------|
| Max. Flight Time | 30 h         |
| Max. Range       | 4500 km      |
| Practical Lift   | 8000 m       |
| Cruising Speed   | 150-180 km/h |
| Max. Speed       | 220 km/h     |



## LOONG Mini3 SE

**≈245 g**

Takeoff Weight

**32 min**

Max. Flight Time

**214 mm**

Wheelbase

**16 m/s**

Max. Flight Speed



## LOONG Mini3

**≈245 g**

Takeoff Weight

**32 min**

Max. Flight Time

**214 mm**

Wheelbase

**18 m/s**

Max. Flight Speed

### Parameters

| Aircraft              |  |
|-----------------------|--|
| Folding Body Size     | 145*85*56 mm (Without paddle)                          |
| Expanded Body Size    | 200*145*56 mm (Without paddle)                         |
| Take-off Weight       | ≈245 g   |
| Wheelbase             | 214 mm   |
| Max. Ascent Speed     | 4 m/s  |
| Max. Descent Speed    | 2 m/s  |
| Max. Flight Speed     | 16 m/s (Sea-level windless environment)                |
| Max. Takeoff Altitude | <4000 m  |
| Max. Hover Time       | 29 min   |
| Max. Flight Time      | 32 min   |
| Max. Tilt Angle       | 35°  |
| Max. Wind Speed       | 10.7 m/s   |
| Operating Temperature | 0~40 °C  |
| GNSS                  | GPS+GLONASS+BeiDou+Galileo                             |
| Hovering Accuracy     | Vertically ±0.1 m / ±0.5 m<br>Horizontal ±0.3m / ±0.5m |

| Payload                    |                                     |
|----------------------------|-------------------------------------|
| Three-axis Structure Range | -110° ~ 40° (Pitch)、-40°~40° (Roll) |
| Rotation Range             | 10° ~ -90° (Pitch)                  |
| Angular Momentum Range     | ±0.01°                              |

| Smart Battery                    |           |
|----------------------------------|-----------|
| Capacity                         | 2200 mAh  |
| Weights                          | ≈85 g     |
| Rated Voltage                    | 7.7 V     |
| Charge Limit Voltage             | 8.8 V     |
| Battery Type                     | Li-ion 2S |
| Energy                           | 16.92 wh  |
| Charging Environment Temperature | 5 ~ 40°C  |

| Remote Controls                   |  |
|-----------------------------------|--|
| Weight                            | ≈260 g   |
| Product Size                      | 165*89*47 mm   |
| Min. Delay                        | ≈120 ms  |
| Operating Band                    | 2.4000GHz to 2.4835GHz, 5.725GHz to 5.850GHz                                       |
| Max. Endurance                    | 8h (Without charging the mobile device)<br>4h (In case of charging mobile devices) |
| Battery Type                      | Li-ion   |
| Battery Capacity                  | 3500 mAh   |
| Rated Voltage                     | 3.7V   |
| Import                            | 5V=2A  |
| Operating Temperature             | 0~40°C   |
| Charge Temperature                | 5~40°C   |
| Supported Interface Types         | Lightning USB-C  |
| Maximum signal effective distance | (no interference, no obstruction)  |
| FCC                               | ≈9 km (Open and undisturbed environment)   |

| Camera                  |                                 |
|-------------------------|---------------------------------|
| Image Sensor            | 1/2.5-inch CMOS                 |
| Digital Zoom            | 6x                              |
| Camera Lens             | FOV 94°                         |
| Aperture                | F/2.2                           |
| Camera Focus            | 2.35 mm                         |
| Equivalent Focal Length | 20 mm                           |
| Depth                   | 0.8 m to infinity               |
| ISO Scope               | Video 100-6400, photos 100-6400 |
| Shutter Speeds          | 1/8000 sec. to 2 sec.           |
| Effective Pixel         | 12 million                      |
| Max. Photo Size         | 4000*3000                       |
| Max. Video Resolution   | 3840*2160@ 30/25/24fps          |
| Video Max. Bitrate      | 100 Mbps                        |
| Video Format            | MP4                             |
| Picture Format          | JPG                             |
| File System             | FAT32 / eXFAT                   |

| Aircraft              |  |
|-----------------------|--|
| Folding Body Size     | 145*85*56 mm (Without paddle)                          |
| Expanded Body Size    | 200*145*56 mm (Without paddle)                         |
| Take-off Weight       | ≈245 g   |
| Wheelbase             | 214 mm   |
| Max. Ascent Speed     | 5 m/s  |
| Max. Descent Speed    | 3.5 m/s  |
| Max. Flight Speed     | 18 m/s   |
| Max. Takeoff Altitude | ≤4000 m  |
| Max. Hover Time       | 29 min   |
| Max. Flight Time      | 32 min   |
| Max. Tilt Angle       | 35°  |
| Max. Propeller Speed  | 15000 rpm  |
| Max. Wind Speed       | 10.7 m/s   |
| Operating Temperature | 0~40 °C  |
| GNSS                  | GPS+GLONASS+BeiDou+Galileo                             |
| Hovering Accuracy     | Vertically ±0.1 m / ±0.5 m<br>Horizontal ±0.3m / ±0.5m |

| Payload                    |                                     |
|----------------------------|-------------------------------------|
| Three-axis Structure Range | -110° ~ 40° (Pitch)、-40°~40° (Roll) |
| Rotation Range             | -40°~40° (Heading)                  |
| Angular Momentum Range     | 10° ~ -90° (Pitch)<br>±0.005°       |

| Smart Battery                    |           |
|----------------------------------|-----------|
| Capacity                         | 2200 mAh  |
| Weights                          | ≈85 g     |
| Rated Voltage                    | 7.7 V     |
| Charge Limit Voltage             | 8.8 V     |
| Battery Type                     | Li-ion 2S |
| Energy                           | 16.92 wh  |
| Charging Environment Temperature | 5 ~ 40°C  |



## LOONG 6

**30 kg**

Max. Payload

**40 min**

Max. Flight Time

**2200 mm**

Wheelbase

**20 km/30 km**

Transmission Range



## LOONG 8-50

**50 kg**

Max. Payload

**55 min**

Max. Flight Time

**2310 mm**

Wheelbase

**20 km**

Transmission Range

### Parameters

#### Dimension

Size(L\*W\*H, propeller included)  
Unfolded: 1830\*1480\*850 mm  
Folded: 900\*780\*850 mm

Wheelbase 2200 mm

#### Comm. & Nav

Transmission Range 20km / 30km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Aircraft Weight 38.5 kg  
Max. Payload 30 kg  
Max. Takeoff Weight 68.5 kg

#### Environment

Max. Wind Resistance Level 6  
IP Protection Rating IP54  
Operating Temperature -20~60°C

#### Performance

Max. Flight Time 40 min  
Cruising Speed 12 m/s  
Max. Horizontal Speed 20 m/s  
Max. Ascent Speed 5 m/s  
Max. Descent Speed 4 m/s  
Max. Flight Altitude 5000 m

#### Packaging

Package Dimensions 1300\*1300\*900mm  
Package Weight 75 kg

### Parameters

#### Dimension

Size Unfolded: 1870\*1710\*850 mm  
Folded: 1160\*870\*980 mm

Wheelbase 2310 mm

#### Comm. & Nav

Transmission Range 20 km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Empty Aircraft Weight 28 kg (Weight without battery)  
Max. Payload 50 kg  
Max. Takeoff Weight 110 kg

#### Environment

Max. Wind Resistance Level 7  
IP Protection Rating IP54  
Operating Temperature -20~60°C  
Operating Humidity 10%-90%

#### Performance

Flight Time 62ah 55 min@unladen, 25 min@unladen  
30ah 40 min@unladen, 10 min@unladen  
Positioning System GPS & RTK Dual Positioning  
Power System Efficient FOC Power  
Propeller Size 56 inch Folding Paddle  
Power Cell 18s 62ah\*2 blocks or 18s 30ah\*2 blocks  
Chargers Intelligent Super Fast Charger  
Max. Flight Speed 20 m/s  
Max. Rising Speed 5 m/s  
Max. Descent Speed 4 m/s  
Max. Takeoff Altitude 5000 m



## LOONG 10

**70 kg**

Max. Payload

**60 min**

Max. Flight Time

**1587 mm**

Wheelbase

**20 km/30 km**

Transmission Range



## LOONG 12

**100 kg**

Max. Payload

**30 min**

Max. Flight Time

**4000 mm**

Wheelbase

**20 km/30 km**

Transmission Range

### Parameters

#### Dimension

Size(L\*W\*H, propeller included)  
Unfolded: 1587\*1514\*891 mm  
Folded: 860\*860\*850 mm

Wheelbase 1587 mm

#### Comm. & Nav

Transmission Range 20km / 30km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Aircraft Weight 70 kg  
Max. Payload 70 kg  
Max. Takeoff Weight 140 kg

#### Environment

Max. Wind Resistance Level 6  
IP Protection Rating IP54  
Operating Temperature -20~60°C

#### Performance

Max. Flight Time 60 min  
Cruising Speed 12 m/s  
Max. Horizontal Speed 20 m/s  
Max. Ascent Speed 5 m/s  
Max. Descent Speed 4 m/s  
Max. Flight Altitude 5000 m

#### Packaging

Package Dimensions 1200\*1200\*1000 mm  
Package Weight 160 kg

### Parameters

#### Dimension

Size(L\*W\*H, propeller included)  
Unfolded: 4000\*4000\*1380 mm  
Folded: 2550\*2580\*1380 mm

Wheelbase 4000 mm

#### Comm. & Nav

Transmission Range 20km / 30km  
GNSS GPS+GLONASS+BeiDou+Galileo

#### Weight

Aircraft Weight 100 kg  
Max. Payload 100 kg  
Max. Takeoff Weight 200 kg

#### Environment

Max. Wind Resistance Level 6  
IP Protection Rating IP44  
Operating Temperature -20~60°C

#### Performance

Max. Flight Time 30min  
Cruising Speed 12 m/s  
Max. Horizontal Speed 20 m/s  
Max. Ascent Speed 5 m/s  
Max. Descent Speed 4 m/s  
Max. Flight Altitude 5000 m

#### Packaging

Package Dimensions 2800\*2800\*1500 mm  
Package Weight 230 kg

# LOONG M1

**1 kg**  
Max. Payload

**60 min**  
Max. Flight Time

**1718 mm**  
Wingspan

**120 km**  
Max. Flight Distance



## Parameters

### Aircraft

|                       |         |
|-----------------------|---------|
| Body length           | 1100 mm |
| Wingspan              | 1718 mm |
| Aircraft Weight       | 900 g   |
| Max. Payload          | 1 kg    |
| Max. Takeoff Weight   | 4 kg    |
| Max. Flight Time      | 60 min  |
| Cruising Speed        | 20 m/s  |
| Max. Horizontal Speed | 25 m/s  |
| Max. Flight Distance  | 120 km  |
| Max. Flight Altitude  | 5000 m  |

### FPV Goggles



|                       |              |
|-----------------------|--------------|
| Weight                | 250 g        |
| External Dimensions   | 170*57*76 mm |
| Screen Size           | 3 inches     |
| Resolution            | 1280*800     |
| Operating Temperature | - 20~45 °C   |

### FPV Video Transmission



|                            |               |
|----------------------------|---------------|
| Frequency Band             | 5.8 GHz       |
| Channels                   | 40ch          |
| Max. Transmission Distance | 5 km          |
| Transmission Power         | 2 W           |
| Image Sensor               | 1/2.8 CMOS    |
| Format Equivalent          | 2.1 mm, 2.5mm |

### Remote Controller



|                   |                 |
|-------------------|-----------------|
| Max. Distance     | 15 km           |
| Frequency Band    | 2.400-2.483 GHz |
| Physical Channel  | 12ch            |
| Signal Channel    | 16ch            |
| Antenna Gain      | 2 dbi           |
| Battery Type      | 18650*2         |
| Operating Current | 210 ma          |
| Dimensions        | 191*175*64 mm   |

### Battery



|                      |              |
|----------------------|--------------|
| Capacity             | 16000 mAh    |
| Type                 | Lipo         |
| Cell Combination     | 6s           |
| Discharge Rate       | 15C          |
| Rated Voltage        | 22.2 V       |
| Weight               | 1850 g       |
| Dimensions           | 192*76*62 mm |
| Charging Temperature | - 20~45 °C   |

### Battery Charger



|                |        |
|----------------|--------|
| Input Voltage  | 220 V  |
| Output Voltage | 24.5 V |
| Output Power   | 90 W   |

# LOONG M2-7

**1.6 kg**  
Max. Payload

**7 inches**  
Propeller Diameter

**22 min**  
Max. Flight Time

**20 km**  
Max. Flight Range



## Parameters

### Aircraft

|                       |   |
|-----------------------|---|
| Weight                | 480g±10 g   |
| Structure             | X-type quadcopter with quick release arms                     |
| Wheelbase             | 295 mm  |
| Max. Payload          | 1.6 kg  |
| Max. Takeoff Altitude | 4000 m  |
| Max. Flight Time      | 22 min@no load, 8 min@1.5 kg<br>(No wind, Height 10 m, Hover) |
| Max. Flight Range     | 20 km (No wind, Altitude 50 m, Flight speed 19 m/s)           |
| Support               | One control for many machines                                 |

### Packaging

|                    |               |
|--------------------|---------------|
| Package Dimensions | 21.5*11*14 cm |
| Package Weight     | 528 g         |

# LOONG M2-10

**3 kg**  
Max. Payload

**10 inches**  
Propeller Diameter

**30 min**  
Max. Flight Time

**20 km**  
Max. Flight Range



## Parameters

### Aircraft

|                       |  |
|-----------------------|--|
| Weight                | 836±10 g   |
| Structure             | X-type quadcopter with quick release arms                                  |
| Wheelbase             | 427 mm   |
| Max. Payload          | 3 kg   |
| Max. Takeoff Altitude | 4000 m   |
| Max. Flight Time      | 30 min@no load, 11 min@1.5 kg,<br>7 min@3 kg (No wind, Height 10 m, Hover) |
| Max. Flight Range     | 20 km (No wind, Altitude 50 m, Flight speed 19 m/s)                        |
| Support               | One control for many machines  |

### Packaging

|                    |             |
|--------------------|-------------|
| Package Dimensions | 30*26*11 cm |
| Package Weight     | 896 g       |

## LOONG M2-11

**4 kg**

Max. Payload

**11 inches**

Propeller Diameter

**30 min**

Max. Flight Time

**20 km**

Max. Flight Range

### Parameters

#### Aircraft

|                       |  |
|-----------------------|--|
| Weight                | 1040±10 g  |
| Structure             | X-type quadcopter with quick release arms                                  |
| Wheelbase             | 460 mm   |
| Max. Payload          | 4 kg   |
| Max. Takeoff Altitude | 4000 m   |
| Max. Flight Time      | 30 min@no load, 11 min@1.5 kg,<br>7 min@4 kg (No wind, Height 10 m, Hover) |
| Max. Flight Range     | 20 km (No wind, Altitude 50 m, Flight speed 19 m/s)                        |
| Support               | One control for many machines  |



## LOONG M2-13

**5 kg**

Max. Payload

**13 inches**

Propeller Diameter

**40 min**

Max. Flight Time

**40 km**

Max. Flight Range

### Parameters

#### Aircraft

|                       |  |
|-----------------------|--|
| Weight                | 950±10 g   |
| Structure             | X-type quadcopter with folding arms                                      |
| Wheelbase             | 520 mm   |
| Max. Payload          | 5 kg   |
| Max. Takeoff Altitude | 4000 m   |
| Max. Flight Time      | 40 min@no load, 13 min@3 kg,<br>7 min@5 kg (No wind, Height 10 m, Hover) |
| Max. Flight Range     | 40 km (No wind, Altitude 50 m, Flight speed 19 m/s)                      |
| Support               | One control for many machines  |



## LOONG M2-15

**6 kg**

Max. Payload

**15 inches**

Propeller Diameter

**40 min**

Max. Flight Time

**40 km**

Max. Flight Range



### Parameters

#### Aircraft

|                       |  |
|-----------------------|--|
| Weight                | 1550±10 g  |
| Structure             | X-type quadcopter with folding arms                                      |
| Wheelbase             | 580 mm   |
| Max. Payload          | 6 kg   |
| Max. Takeoff Altitude | 4000 m   |
| Max. Flight Time      | 40 min@no load, 10 min@5 kg,<br>8 min@6 kg (No wind, Height 10 m, Hover) |
| Max. Flight Range     | 40 km (No wind, Altitude 50 m, Flight speed 19 m/s)                      |
| Support               | One control for many machines  |

#### Packaging

|                    |                                   |
|--------------------|-----------------------------------|
| Package Dimensions | (Four units to a box) 66*61*16 cm |
| Package Weight     | 7.5 kg                            |

## LOONG M4

**1.2 kg**

Max. Payload

**30 min**

Max. Flight Time

**620 mm**

Wingspan

**20 km**

Transmission Range



### Aircraft

#### Dimension

|                      |            |
|----------------------|------------|
| Wingspan             | 620 mm     |
| Dimensions(Unfolded) | 620*503 mm |
| Dimensions(Folded)   | 100*503 mm |

#### Performance

|                       |         |
|-----------------------|---------|
| Max. Flight Time      | 30 min  |
| Cruising Speed        | 30 km/h |
| Max. Horizontal Speed | 12 m/s  |
| Max. Ascent Speed     | 5 m/s   |
| Max. Descent Speed    | 3 m/s   |
| Max. Flight Distance  | 20 km   |
| Max. Flight Altitude  | 3000 m  |

#### Weight

|                     |        |
|---------------------|--------|
| Max. Payload        | 1.2 kg |
| Max. Takeoff Weight | 2.7 kg |

#### Comm. & Nav

|                    |                            |
|--------------------|----------------------------|
| Transmission Range | 20 km                      |
| GNSS               | GPS+GLONASS+BeiDou+Galileo |

#### Environment

|                       |           |
|-----------------------|-----------|
| Max. Wind Resistance  | Level 6   |
| IP Protection Rating  | IP54      |
| Operating Temperature | -20~60 °C |

### Camera

#### Gimbal

|                   |                                  |
|-------------------|----------------------------------|
| Stabilized System | 2-axis                           |
| Mechanical Range  | Roll: -100~100°; Pitch: -100~10° |

#### Visible Light Camera

|              |        |
|--------------|--------|
| Resolution   | 1080P  |
| Focal Length | 2.4 mm |
| Frame Rate   | 25 fps |

#### General

|                       |                 |
|-----------------------|-----------------|
| Weight                | 51 g            |
| Dimensions            | 57.5*49*47.1 mm |
| Voltage               | 3.5~5.5V        |
| Operating Temperature | -20~60 °C       |

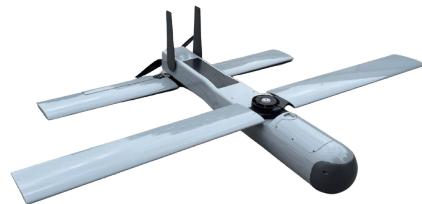
# LOONG M5-2000

**2 kg**  
Max. Payload

**30 min**  
Max. Flight Time

**1200 mm**  
Wingspan

**150 km/h**  
Max. Horizontal Speed



## Aircraft Parameters

### Dimension

|                                    |            |
|------------------------------------|------------|
| Body Length                        | 752 mm     |
| Wingspan                           | 1200 mm    |
| Cross-sectional dimensions(Folded) | 118*118 mm |
| Body Length(Folded)                | 885 mm     |

### Performance

|                       |          |
|-----------------------|----------|
| Max. Flight Time      | 30 min   |
| Cruising Speed        | 130 km/h |
| Max. Horizontal Speed | 150 km/h |
| Max. Flight Distance  | 30 km    |
| Max. Flight Altitude  | 5000 m   |

### Weight

|                     |      |
|---------------------|------|
| Aircraft Weight     | 4 kg |
| Max. Payload        | 2 kg |
| Max. Takeoff Weight | 6 kg |

## Guidance pod Parameters

### Features

- Compact structure, weight less than 240g.
- Shock-resistant to launch impacts.
- Built-in tracking function.
- Equipped with servo stabilization feature.

### General

|                       |           |
|-----------------------|-----------|
| Weight                | 240 g     |
| Voltage               | 12-20V    |
| Operating Temperature | -20~60 °C |



## Launch tube Parameters

### General

|            |                 |
|------------|-----------------|
| Dimensions | 1200*130*130 mm |
| Weight     | 6 kg            |



### Launch

|                     |                                 |
|---------------------|---------------------------------|
| Launch Method       | Compressed air / air burst bomb |
| Launch Air Pressure | ≥1.6 MPa                        |

# LOONG M5-5000

**≥ 5 kg**  
Max. Payload

**≥ 60 min**  
Flight Time

**≥ 1800 mm**  
Wingspan

**180 km/h**  
Max. Flight Speed



## Aircraft Parameters

### Dimension

|                             |          |
|-----------------------------|----------|
| Body Length                 | ≥1300 mm |
| Wingspan                    | ≥1800 mm |
| Max. Diameter After Folding | ≥175 mm  |
| Max. Length After Folding   | ≤1500 mm |

### Environment

Operating temperature -20 ~ 60°C

### Performance

|                        |                      |
|------------------------|----------------------|
| Max. Take-off Weight   | >15 kg               |
| Max. Flight Speed      | 140-180 km/h         |
| Max. Range             | >100 km              |
| Height Of Use          | 100-3000 m           |
| Flight Time            | >60 min              |
| Communication Distance | >10-50 km (optional) |
| Payload                | >5 kg                |



## Launch Tube Parameters

### Launch

|                   |                           |
|-------------------|---------------------------|
| Tube Length       | 1750mm (Without cylinder) |
| Launching Method  | Barrel / Eject            |
| Cylinder Capacity | 20L                       |
| Launch Pressure   | 2.5 MPa~3 MPa             |

# LOONG M9

**50 kg**

Max. Payload

**8~9 h**

Max. Flight Time

**2500 mm**

Wingspan

**190 km/h**

Cruise Speed

## Aircraft Parameters

### Dimension

|                 |         |
|-----------------|---------|
| Wingspan        | 2500 mm |
| Aircraft Length | 3500 mm |



### Weight

|                             |         |
|-----------------------------|---------|
| Empty Weight (Without Fuel) | 62.5 kg |
| Max. Payload                | 50 kg   |
| Max. Takeoff Weight         | 200 kg  |

### Environment

|                       |          |
|-----------------------|----------|
| Max. Wind Resistance  | Level 7  |
| IP Protection Rating  | IP54     |
| Operating Temperature | -25-60°C |

### Comm. & Nav

|      |                    |
|------|--------------------|
| GNSS | GPS+GLONASS+BeiDou |
|------|--------------------|

### Performance

|                                       |                                |
|---------------------------------------|--------------------------------|
| Max. Flight Time                      | 8-9 h                          |
| Max. Flight Range                     | 1620 km                        |
| Max. Flight Altitude                  | 4500 m                         |
| Min. Turning Radius                   | 450 m                          |
| Climbing Rate                         | 5 m/s                          |
| Pitch Angle                           | 15°                            |
| Roll Angle                            | 28°                            |
| Angle Of Attack For Terminal Guidance | 15°-70°                        |
| Stall Speed                           | 40 m/s (144 km/h)              |
| Cruise Speed                          | 53 m/s (190 km/h)              |
| Max. Speed                            | 62 m/s (223 km/h)              |
| Engine Cruise RPM                     | 4900-5200                      |
| Max. Engine Speed                     | 6400                           |
| Cruise Fuel Consumption               | 10-12 L                        |
| Fuel Grade                            | 95#                            |
| Oil Ratio                             | 2T two-stroke lubricant (40:1) |

# Hangar

## Multicopter Hangar

The unmanned automatic apron system is a visualized cloud operating system integrating automatic UAV flight, cluster scheduling and data processing, which consists of an intelligent scheduling and inspection platform composed of an automatic UAV airport, an external intelligent weather station, an industrial UAV, and a Tianmu scheduling system. It realizes many functions such as route planning, autonomous take-off, automatic inspection, remote control, fixed-point hovering, real-time image return, precise landing, fast charging and re-flying, and background intelligent data processing.



### Parameters

#### Features

- Safe and efficient all-weather intelligent inspection, which can be customized and deployed according to customer needs, specific application scenarios, etc., to enhance the ability to protect key areas.
- Realized automatic cruise, key target survey, autonomous landing, automatic charging, intelligent identification and diagnosis of industrial drones.
- No need for a flyer to operate the drone on site, which reduces the work intensity of the operator, reduces maintenance complexity, and improves response time.
- The automated apron can accommodate a wide range of hexacopter drones with 1700mm internal wheelbase and 4G/5G data transmission.

#### Specification Parameters

|                      |   |                           |   |
|----------------------|---|---------------------------|---|
| Type Of Hangar       | Rechargeable Hangar   | Emergency Lights          | Internal and external emergency lights                  |
| Primary Materials    | Aluminum/Stainless Steel/Cold Rolled Plate  | Video Monitoring          | Internal and external cameras                           |
| Dimensions           | 3365*2895*1510 mm (Hatch closed)  | Voice Prompt              | External speaker  |
| Weights              | ≤1680 kg  | Operating Temperature     | -20-65 °C   |
| Matching Drone       | Wheelbase 1650 mm   | Anti-interference Ability | 100A/m (Magnetic field at work frequency)               |
| Backup Power         | UPS Backup Power  | Networking Methods        | Network cable / 4G / 5G                                 |
| Power Supply         | 220V AC   | Response Time             | Ramp elevator to raise UAV to takeoff position ≤ 3 min. |
| Operating Power      | Standard condition: ≤1800 W / Peak: ≤4000 W   |                           |   |
| Temperature Control  | Equipped with hot and cold air-conditioning   |                           |   |
| Lightning Protection | Fitted with lightning rods  |                           |   |
| Protective Measure   | Fitted with smoke sensors, temperature, circuit breakers, etc.  |                           |   |
| Weather Monitoring   | Equipped with weather station, wind speed, wind direction, rain, temperature, humidity and other meteorological instruments, real-time feedback weather conditions. |                           |   |
| Weather Station Size | 1150*415*2500 mm (Excluding meteorological equipment, excluding height of lightning rod)  |                           |   |
| Drone Charging Time  | 75 min (20%-100%) / 50 min (20%~90%)  |                           |   |
| Charge Protection    | The charger will automatically cut off the power if the charging current is too high or the temperature is too high.  |                           |   |
| Precision Landing    | RTK+Vision Precision Landing, Drone Landing Error <30 cm.   |                           |   |
| Joystick Control     | Work with the platform to support joystick control of drones.   |                           |   |

# Ground Control Station



LS1



LS2

| General Specs                                    |  |
|--|--|
| Battery Capacity                                 | 13 Ah  |
| Run time   | 4 hours  |
| IP Protection Rating                             | IP54   |
| Operating Temperature                            | -20~60°C   |
| Dimensions                                       | 3075*4075*102 mm   |
| Weight   | 8.5 kg   |
| Package Dimensions                               | 590*550*280 mm   |
| Package Weight                                   | 12.9 kg  |
| Video Transmission                               |  |
| Max. Transmission Distance                       | FCC: 20 km CE / SRRC / MIC: 12 km                                    |
| Operating Frequency                              | 2.4 GHz  |
| Real-time image transmission quality             | 720p@30fps 1080p@60fps   |
| Maximum bit rate of real-time image transmission | 500kbps-5Mbps  |
| Min. Transmission Delay                          | <30 ms   |
| Reception Sensitivity                            | <-89 dBm   |
| Number of Channels                               | 16ch   |
| Antennas   | 1* High-gain Fiberglass Antenna<br>1* Directional Flat Panel Antenna |
| Control Screen                                   |  |
| Resolution                                       | 1280*800   |
| Size   | 12.1 inches  |
| Brightness                                       | 1500 nits  |
| Touch Control                                    | 10-point multi-touch   |
| Display Screen                                   |  |
| Resolution                                       | 1920*1080  |
| Size   | 15.6 inches  |
| Brightness                                       | 400 nits   |
| Hardware   |  |
| Operating System                                 | Win10  |
| Processor  | Frequency 3.1GHz, Cache 4MB  |
| Memory   | 8GB  |
| Storage  | 128GB SSD  |
| Peripheral Interface                             | USB3.0*2 / HDMI Type A<br>RJ45 / 4-Pin Aviation Connector            |

## Tethered Device



### Parameters

#### Features

- Maximum power 5 kw, LOONG 4 supports loads up to 10 kg.
- Cable length 120 m (without fiber optics), automatic payoff and take-up.
- Over-voltage, over-current, over-temperature, short-circuit protection and so on.
- Compatible with standard smart battery slots.
- Small size and light weight.

#### Airborne Side

|                       |  |
|-----------------------|--|
| Dimensions            | 282*143*98 mm  |
| Weights               | 2 kg   |
| Input Voltage         | DC 400V  |
| Output Voltage        | DC 50V   |
| Max. Power            | 5 kw   |
| Protective Function   | Output short-circuit and over-temperature protection |
| Operating Temperature | -20~50°C   |

(Airborne Side)

(Ground Side)

#### Ground Side

|                       |   |
|-----------------------|---|
| Dimensions            | 450*300*460 mm  |
| Total Weight          | 20 kg (Tethered Ground Integration Unit)                                      |
| Input Voltage         | AC220V / 380V   |
| Output Voltage        | DC 400V   |
| Max. Power            | Rated power: 7 KW / Max. instantaneous power: <8100 W                         |
| Protective Function   | Output short-circuit and over-temperature protection                          |
| Operating Temperature | -20~50°C  |
| Wire Outer Diameter   | Approx. Φ4.5 mm   |
| Operating Mode        | Active Unwind / Active Take-Up  |
| Voltage Compensation  | Support   |
| Conductor Resistance  | 1.1 Ω@100 m, single positive pole   |
| Working Altitude      | < 5000 m  |
| Protective Function   | Over-voltage, over-current, output short-circuit, over-temperature protection |

# Dragon VT18R



## Parameters

### Features

- Support 6k photo.
- Supports 4k 30fps video storage.
- Support 640\*512 infrared photo and video recording.
- Support infrared temperature measurement function.
- Support laser distance measurement, laser positioning function.
- 18x optical zoom, 144x hybrid zoom.

### Visible Light

|                  |  |
|------------------|--|
| Video Resolution | 4000*3000@25fps, 3840*2160@25fps                           |
| Photo Resolution | 8000*6000 48 MP, 5160*3890 20 MP                           |
| Camera Lens      | 18x Optical zoom, F=6.8-120 mm<br>Hybrid optical zoom: 25x |
| Digital Zoom     | (Visible light at max. magnification)<br>X2, X4, X8        |

### Thermal Imaging Camera

|                          |  |
|--------------------------|--|
| Resolution               | 640*512  |
| Wavelength range         | 8 ~ 14 $\mu$ m   |
| Lens                     | Focal length 13 mm /<br>F1.0 (Fixed focus without thermalization)    |
| Temperature Measurement  | Full-screen temperature measurement,<br>Area temperature measurement |
| Temperature Range        | -40°C~+150°C (High gain)<br>-40°C~+550°C (Low gain)                  |
| Electronic Amplification | X2, X4, X8   |

### General

|                     |                    |
|---------------------|--------------------|
| Weights             | 1 kg               |
| Video Transmission  | Network 4K / 1080P |
| Tracking Functions  | Support            |
| Working Temperature | -20°C~60°C         |
| Stockpile           | 128 G              |

### Gimbal Parameters

|                   |  |
|-------------------|--|
| Angular Jitter    | $\pm 0.02^\circ$   |
| Range of Rotation | Heading: $\pm 150^\circ$ / Pitching: $-90^\circ$ ~ $+30^\circ$ |

### Wide-angle Camera

|                  |                                  |
|------------------|----------------------------------|
| Sensors          | 1/2" CMOS                        |
| Lens             | 6.83 mm                          |
| Angle of View    | DFOV 79°                         |
| Photo Resolution | 8000*6000 48 MP; 5160*3890 20 MP |

### Laser Ranging Parameters

|                       |          |
|-----------------------|----------|
| Measuring Range       | 2000 m   |
| Wavelength Range      | 905 nm   |
| Laser Beam Spread     | 3.2 mrad |
| Laser Pulse Frequency | 1 hz     |

# Dragon VT40



## Parameters

### Features

- 360° heading rotation of the gimbal.
- Halation suppression.
- 40x lossless zoom.
- 640\*512 resolution infrared.
- 4K video.
- AI detects vehicles and people.
- Target Recognition Tracking.

### Visible Light

|                 |   |
|-----------------|---|
| Sensors         | 1/2.3 Super Starlight   |
| Effective Pixel | Max. 893 W  |
| Camera Lens     | 20x Optical Zoom, 3.9 mm (F=wide)~46.8 mm (Tele), F 1.8-F 2.0; Super Resolution Zoom: 4K / 30x Zoom, 1080P / 40x Zoom |

|                      |  |
|----------------------|--|
| Digital Zoom         | 12X  |
| Video Resolution     | 4K or 1080P  |
| Low Illumination     | Color: 0.75 lx (F1.8, AGC on, 1/30 s)                      |
| Shutter Speed        | 1/1 second to 1/10,000 seconds, 22 steps                   |
| Min. Object Distance | 10 mm (Wide end) to 1500 mm (Far end)<br>(Default: 300 mm) |

|                                |         |
|--------------------------------|---------|
| Wide Dynamic                   | Support |
| Visual Enhancement             | Support |
| Noise Reduction                | Support |
| Electronically Transmitted Fog | Support |
| Noise Reduction                | Support |
| Aperture Adjustment            | Support |
| Color Gain Adjustment          | Support |
| Night Black And White Mode     | Support |
| White Balance                  | Support |

### Visible light recognition performance

- Typical multi-target detection for vehicles, people, etc.
- Detect at least 10 targets.
- Capable of memory tracking function and switching tracking.
- Contrast is not less than 5%.
- Target size is not less than 5\*5 pixels.
- Vehicle detection probability  $\geq 85\%$ , false alarm rate  $\leq 10\%$ .

### Overall Parameter

|                            |                                    |
|----------------------------|------------------------------------|
| Weights                    | 1 kg                               |
| Operating Voltage          | 12V                                |
| Video Transmission         | Network Output, 1080P 30           |
| Intelligent Identification | Support People And Car Recognition |
| Tracking Function          | Support                            |
| Operating Temperature      | -20~60°C                           |
| Working Mode               | Photographing And Videotaping      |
| Stockpile                  | SD Card 32G / Supports Up To 128G  |
| Photo Format               | JPG                                |
| Video Format               | MP4                                |
| On-screen Pointing         | Support                            |
| Bootstrap Model            | Support                            |

### Gimbal

|                |   |
|----------------|---|
| Installation   | Quick Release   |
| Gimbal model   | Lock / Follow / Center / Track                                  |
| Angular Jitter | $\pm 0.02^\circ$  |
| Turning Range  | Heading: $\pm 360^\circ$ ; Pitching: $+40^\circ$ ~ $-110^\circ$ |

### Thermal Imaging Camera

|                  |   |
|------------------|---|
| Camera Lens      | 19 mm                                     |
| Operating System | Uncooled Long Wave (8 $\mu$ m-14 $\mu$ m) |
| Detector Pixels  | 640*512                                   |
| Pixel Size       | 12 $\mu$ m                                |
| NETD             | $\leq 50mK$ @F.0@25°C                     |

### Tracking Performance

|                              |                                |
|------------------------------|--------------------------------|
| Deviation Pixel Update Rate  | 30 Hz                          |
| Deviation Pixel Output Delay | <30 ms                         |
| Min. Target Contrast         | 5%                             |
| Min. Target Size             | 16*16 Pixels                   |
| Max. Target Size             | 256*256 Pixels                 |
| Tracking Speed               | Greater Than 32 Pixels / Frame |
| Target Recall Time           | 100 Frames                     |

## AD80

### 80km Data Link with Tracking Antenna

80km long distance data link, featuring high integration, stable performance, and high reliability.

### Parameters

#### Features

- Dual-axis auto-tracking gimbal: Accurately tracks drone's direction and position in real-time.
- High-gain directional antenna: Enhances wireless signal reception on ground unit.
- Advanced RF technology: Offers strong anti-interference and automatic encryption.
- Modular, high-integration design: Ensures convenient, efficient usage.

#### Video

|                |                 |
|----------------|-----------------|
| View Quality   | 1080p / 60fps   |
| Codec          | H.265 / H.264   |
| Video Bit Rate | 500 KB/s~5 MB/s |
| Video Latency  | < 200ms         |
| Data Latency   | < 30ms          |

#### Interface

|          |   |
|----------|---|
| Antenna  | Airborne Unit: 2*SMA / Ground Unit: N-type female     |
| Power    | Airborne Unit: 1*T30 / Ground-based Unit: 1*T60       |
| Serial   | Airborne Unit: 1*RS232, 1*TTL<br>Ground Unit: 2*RS232 |
| SBUS     | 2*SBUS  |
| Ethernet | Airborne Unit: 1*4Pin / Ground Unit: 1*RJ45           |

#### Environment

|                       |           |
|-----------------------|-----------|
| IP Protection Rating  | IP54      |
| Operating Temperature | -40~ 70°C |

#### General

|            |  |
|------------|--|
| Dimensions | Airborne Unit: 100*63*22 mm<br>Ground Unit: 450*390*175 mm |
| Weight     | Airborne Unit: 140.8 g<br>Ground Unit: 5000 g              |

## MD80

### 80km Data Link with Anti-Interference Module

80km long-distance data link, capable of controlling wireless silence, multi-link radio communication, and timed radio communication. Integrated with various anti-interference methods.



## Bomb-gear

## Bomb-gear for Fixed-wing Drone



Wyvern T2



Wyvern T4



Wyvern 120

### Parameters

#### Features

- Supports automatic & manual release.
- Features a secure clamp-style mechanism.
- Quick shell mounting with safety pins.
- Customizable dimensions based on shell size.
- Customizable ammunition carrying capacity

#### Carrying Capacity

1, 2, 4, 6, 8, 16 shells

#### Caliber Options

60 mm, 82 mm, 120 mm

#### Release Method

Automatic or manual

## Bomb-gear for Multi-rotor Drone



Wyvern P4M

### Parameters

#### Features

- Supports automatic & manual release.
- Features a secure clamp-style mechanism.
- Quick shell mounting with safety pins.
- Customizable dimensions based on shell size.
- Customizable ammunition carrying capacity

#### Carrying Capacity

1, 2, 4 shells

#### Caliber Options

60 mm, 82 mm

#### Release Method

Automatic or manual

# Airburst

## AB-13

### Proximity Fuze

A proximity fuse can directly replace fuses for mortars with calibers of 60mm, 81mm, 82mm, and 120mm. It automatically detonates the shell at a certain distance from the target, forming an airburst of shrapnel that increases the hit probability and lethality.



### Parameters

#### Features

- Quickly replaces traditional fuses, enhancing the combat effectiveness of weapons.
- Compatible with various calibers, including 60mm, 81mm, 82mm, 120mm, and 155mm.
- Can be installed on a wide range of mortar rounds, without being limited to a specific manufacturer.
- Features a secondary safety design, ensuring personnel safety during transportation and ammunition loading.
- Retrofitting older mortar rounds with the proximity fuse can effectively reduce warfare costs.

#### Conventional Mortar Shell Modification

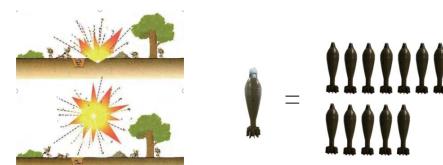
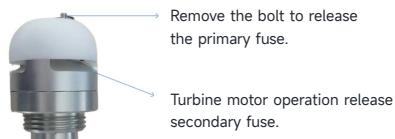
Compatible with various calibers, including 60mm, 81mm, 82mm, 120mm, and 155mm. Without being limited to a specific manufacturer.



Proximity Fuze + Ordinary Mortar Shell = New Airburst

#### High Security

The secondary safety design is adopted and the turbine motor is powered on to release the safety, which greatly improves the safety and ensures the absolute safety of personnel during transportation and ammunition loading.



#### Damage Effect Increased Significantly

The damage effect of ammunition with proximity fuze is 3-13 times that of ordinary ammunition, which can effectively damage the enemy's effective strength and save our own ammunition.

# Anti-interference Navigation System

## NAV-4ch

Four-array Anti-jamming Positioning System



### Parameters

#### Features

- Equipped with interference power detection for easier interference calibration and system integration testing.
- Supports secondary development, allowing further spectrum monitoring, histogram analysis, etc.
- Supports 4-array full frequency point anti-interference or other L-band navigation points.
- Built-in full-frequency point navigation and positioning module, outputs location data following NMEA0183 protocol.

#### Parameters

|                       |                            |
|-----------------------|----------------------------|
| GNSS                  | GPS+GLONASS+BeiDou+Galileo |
| Power                 | 10 W                       |
| Dimensions            | 130*135*38 mm              |
| Weight                | 450 g                      |
| IP Protection Rating  | IP54                       |
| Operating Temperature | -40 ~ 70°C                 |

## NAV-INS

High-precision Inertial Navigation System



### Parameters

#### Features

- Built-in high-performance MEMS gyroscope and accelerometer.
- Inertial navigation capability when GNSS is invalid.
- Accuracy guaranteed within the -40~70°C range.
- Features sway and dynamic base alignment functions.
- Outputs raw data of IMU and satellite navigation board.

#### Positioning Accuracy

|                         |   |
|-------------------------|---|
| GNSS Effective (Single) | Horizontal: 1.2m / Elevation: 2.5m                  |
| GNSS Effective (RTK)    | Horizontal: 0.8 cm+1 ppm<br>Elevation: 1.5 cm+1 ppm |
| GNSS Invalid            | <20m (Failure 60s)                                  |

#### Attitude Accuracy

|                              |      |
|------------------------------|------|
| GNSS Effective               | 0.1° |
| Inertial / Odometer Combined | 0.1° |
| V-G Mode                     | < 2° |

#### Gyroscope

|                     |          |
|---------------------|----------|
| Measurement Range   | ± 450°/s |
| Zero Bias Stability | 2 °/h    |

#### Accelerometer

|                     |       |
|---------------------|-------|
| Measurement Range   | ± 16g |
| Zero Bias Stability | 30µg  |

#### Environment

|                       |                    |
|-----------------------|--------------------|
| IP Protection Rating  | IP65               |
| Operating Temperature | -40 ~ 70°C         |
| Vibration             | 20~2000 Hz, 6.06 g |
| Shock                 | 30 g, 11 ms        |
| MTBF                  | 30000 h            |

## Smaug J1-1500

1.5km Long Distance Hand-gun Type Signal Simulator

### Parameters

#### Features

- Detachable 7000mAh low-temperature resistant battery.
- Signal simulation capabilities include crash landing and return.
- Maximum 30W power per channel.
- Up to 8 channels for increased flexibility.
- Equipped with aiming sight and portable backpack.
- Includes car charger for added convenience.
- Customizable frequency bands and channels per demand.

#### Packaging

Package Dimensions 918\*339\*130 mm  
Package Weight 6 kg



#### Signal Simulation

|                                 |         |
|---------------------------------|---------|
| Signal Simulation Distance      | 1200 m  |
| Antenna Gain                    | >10 dBi |
| Signal Simulation Response Time | 1s      |
| Signal Simulation Angle         | 60°     |

#### General

|                           |                   |
|---------------------------|-------------------|
| Power Source              | LiPo              |
| Total Power               | 350 W             |
| Continuous Operation Time | 45 min            |
| Dimensions                | 850*278.5*82.8 mm |
| Weight                    | 4 kg              |

#### Environment

|                       |            |
|-----------------------|------------|
| IP Protection Rating  | IP54       |
| Operating Temperature | -20 ~ 60°C |

## 6-ch

| 6-ch Type A                      | 430-440 MHz   | 1555-1620 MHz | 5100-5350 MHz |
|----------------------------------|---------------|---------------|---------------|
| Standard 6-ch                    | 860-930 MHz   | 2400-2500 MHz | 5700-5840 MHz |
| 6-ch Type B                      | 860-930 MHz   | 2400-2500 MHz | 5100-5350 MHz |
| Dual-channel 2.4 GHz             | 1555-1620 MHz | 2400-2500 MHz | 5700-5840 MHz |
| 6-ch Type C                      | 1555-1620 MHz | 2400-2500 MHz | 5700-5840 MHz |
| Dual-channel 2.4 GHz and 5.8 GHz | 2400-2500 MHz | 5100-5350 MHz | 5700-5840 MHz |

## 8-ch

| 8-ch Type A                      | 430-440 MHz   | 1150-1380 MHz | 1555-1620 MHz | 5100-5350 MHz |
|----------------------------------|---------------|---------------|---------------|---------------|
| Standard 8-ch                    | 860-930 MHz   | 1380-1450 Mhz | 2400-2500 MHz | 5700-5840 MHz |
| 8-ch Type B                      | 430-440 MHz   | 1555-1620 MHz | 2400-2500 MHz | 5700-5840 MHz |
| Dual-channel 2.4 GHz             | 860-930 MHz   | 2400-2500 MHz | 5100-5350 MHz | 5840-5940 MHz |
| 8-ch Type C                      | 860-930 MHz   | 2400-2500 MHz | 5100-5350 MHz | 5700-5840 MHz |
| Dual-channel 2.4 GHz and 5.8 GHz | 1555-1620 MHz | 2400-2500 MHz | 5700-5840 MHz | 5840-5940 MHz |

## Smaug J1-1500 Pro

### Handheld Signal Detection Analog Devices

Handheld signal detection simulation integrated equipment is integrated detection function and signal simulation in one of the gun-type equipment, through the radio frequency scanning feature recognition, to find, measure the direction of illegal invasion of drones, through the signal strength to determine the orientation of the drone after the accurate opening of the corresponding frequency band, other signals do not interfere with pollution, the equipment can be inserted into the 4G card mobile networking with network interconnections and equipment location back to the location of the function, you can It can realize the unified management of low altitude control equipment.



### Parameters

#### Features

- **[Detection And Direction Finding]** The device can receive UAV signals in low altitude in 360°, and after recognizing the UAV signals, it enters the orientation confirmation interface and judges the approximate orientation of the UAV through the signal strength.
- **[Networked Positioning]** Equipment external SIM card slot, can be inserted into the mobile card for the location of the equipment back to transmission.
- **[Work Status Display]** Integrated integrated 3.5-inch display, real-time display of the working status of the equipment.
- **[Multi-channel Simulation]** The device has a built-in 8-channel module, which can independently select the mode of eviction and forced landing.

#### Signal Detection Simulation

|   |   |
|---|---|
| Scope of Action   | 20MHz ~ 6GHz                            |
| Scan Band   | 0.9 / 1.1 / 1.2 / 1.3 / 1.4 / 2.4 / 5.8 |
| Radius of Action  | 1-2 km                                  |
| (Depending on the environment and model there will be some differences) |   |

|                            |   |
|----------------------------|---|
| Direction Finding Accuracy | 20° (RMS)                                 |
| Angle of Action            | 360° Omnidirectional + Directional Search |

|      |  |
|------|--|
| Band | 430-440MHz、860-930MHz、<br>1150-1250MHz、1555-1620MHz、<br>2400-2500MHz 、5100-5350MHz<br>5725-5840MHz 、5840-5995MHz |
|------|--|

|   |          |
|---|----------|
| Output Power Per Circuit  | 30W      |
| Action Distance   | 1-1.5 km |
| (Depending on the environment and model there will be some differences) |          |

#### General

|                 |                         |
|-----------------|-------------------------|
| Open Method     | Manually Operated       |
| Power Supply    | Li-ion battery 9000 mAh |
| Charging Method | AC 220V / Vehicle 12V   |
| Cooling Method  | Air Cooling             |
| Volume (Φ'H)    | 750*290*82 mm           |
| Weights         | Approx. 7 kg            |

#### Environment

|                       |            |
|-----------------------|------------|
| IP Protection Rating  | IP56       |
| Operating Temperature | -40 ~ 55°C |
| Storage Temperature   | -40 ~ 80°C |

# Smaug D3-2000

Handheld Signal Detector



## Parameters

### Features

- Detects over 10 drones simultaneously.
- Passive detection, no electromagnetic emission.
- Used standalone or on the signal simulation devices.
- Features direction-finding capabilities.
- Identifies multiple types of drones.

### General

|                |              |
|----------------|--------------|
| Power Source   | LiPo         |
| Operation Time | 6 hours      |
| Dimensions     | 240*66*48 mm |
| Weight         | 1050 g       |

### Packaging

|                    |                |
|--------------------|----------------|
| Package Dimensions | 470*430*150 mm |
| Package Weight     | 6 kg           |

# Smaug D5-2000

Handheld Detection Device

The handheld detection device is a portable product that can accurately locate the UAV and the pilot (remote control). The single device can detect and identify the serial number, model, position, speed, altitude, track and pilot position of the UAV within 1-3 kilometers and other multidimensional information, which also can be used online or offline.

## Parameters

### Features

- Single device achieves drone target positioning.
- Passive detection, no electromagnetic emission.
- Whitelisted drones won't trigger alarms.
- Precisely detects and locates remote controller.
- Supports DJI series, other brands, and DIY drones.
- Displays drone flight path.

### General

|                |              |
|----------------|--------------|
| Power Source   | LiPo         |
| Operation Time | 4 hours      |
| Dimensions     | 170*85*55 mm |
| Weight         | 0.5 kg       |

### Omnidirectional Detection

|                        |   |
|------------------------|---|
| Max Detection Range    | 1000 m                                  |
| Frequency Range        | 1.1 Ghz/1.2 Ghz/1.4 Ghz/2.4 Ghz/5.8 Ghz |
| Simultaneous Detection | ≥10                                     |
| Detection Time         | ≤ 2 s                                   |

### Directional Detection

|                     |                 |
|---------------------|-----------------|
| Max Detection Range | 2000 m          |
| Frequency Range     | 2.4 Ghz/5.8 Ghz |

### Environment

|                       |           |
|-----------------------|-----------|
| IP Protection Rating  | IP65      |
| Operating Temperature | -20~65 °C |



# Smaug J7-5000

Backpack-type Signal Simulation Device



## Parameters

### Features

- Support internal battery power supply and AC power supply.
- External high gain omnidirectional antenna, long transmitting distance, accurate controllable range.
- Simple to operate, it can be used independently by a single person, no need to configure professional operators.
- Backpack appearance design, easy to carry.
- The transmitting power of a single module is up to >50W, and the transmitting power of the whole machine can break through to >400W.

### Core Parameter

|                          |  |
|--------------------------|--|
| Operating Frequency Band | (Eight Channels ) 1555~1620 MHz / 2400~2500 MHz / 5840~5995 MHz / 5100~5350 MHz / 5725~5840 MHz<br>860~930 MHz / 1380~1450 MHz / 400~450 MHz |
| Transmit Power           | (50W/Channel) 900 / 1.5 / 2.4 / 5.2 / 5.8 / 5.9 / 14 / 433   |
| Battery Capacity         | Resistant to low temperature about 10000 mAh   |
| Simulated Distance       | ≥2 km  |
| Covering Angle           | 360°   |
| Endurance Time           | 30 ~ 45 min  |
| Charging Mode            | AC 220V  |
| Dimensions               | 40 cm*28 cm*12.5 cm  |
| Fuselage Weight          | 11.5 kg  |
| Total Transmitted Power  | 400 W  |
| Antenna Gain             | >10dBi   |

## Smaug D7-5000

### Portable Signal Source Detection Device

Portable signal source detection devices, real-time acquisition of peripheral radio signals when the equipment is operating, scanning according to the configured frequency band. When the low-altitude UAV target enters the defense area, the suspicious link signal is monitored and identified to obtain the target working frequency band, distance and other information. The device can not only detect the drone, but also identify the drone's model, serial number, longitude, latitude, altitude, pilot position, and the location of the return point. The device is passive detection which does not produce any electromagnetic signal simulation to the outside world, green and safe, suitable for long-term continuous scenario.

### Parameters

#### Features

- The maximum detection distance is 6 km.
- Single device achieves drone target positioning.
- Passive detection, no electromagnetic emission.
- Whitelisted drones won't trigger alarms.
- Supports DJI series, other brands, and DIY drones.
- Controlled via a touch-enabled large screen.
- Displays drone flight path.

#### General

|                |                |
|----------------|----------------|
| Power Source   | LiPo           |
| Operation Time | >20 hours      |
| Dimensions     | 520*415*224 mm |
| Weight         | 18 kg          |

#### Environment

|                       |           |
|-----------------------|-----------|
| IP Protection Rating  | IP65      |
| Operating Temperature | -20~60 °C |



## Smaug D2-10000

### Fixed Signal Detection Device

Through radio frequency scanning feature identification and decoding, to find, direction finding illegal intrusion UAV, support stand-alone work and networking work, system integration is high, one-piece design. Through a wide range of frequency scanning, detect and intercept the remote control, picture transmission and other signals between the drone and the remote control operator which can work continuously at night, thick fog and bad weather, can be linked with the countermeasures device.



### Parameters

#### Features

- 45MHz-6GHz ultra-wide band range, rich spectrum signature storage.
- Passive detection, it does not actively emit electromagnetic signals.
- Long operating distance, 360° all-round coverage.
- Provide accurate directional information to the target UAV.
- It can detect, identify and find multiple UAV targets at the same time.

#### General

|              |         |
|--------------|---------|
| Power Source | AC 220V |
| Weight       | 17 kg   |

#### Environment

|                       |             |
|-----------------------|-------------|
| IP Protection Rating  | IP66        |
| Operating Temperature | -40 ~ 70 °C |

#### Omnidirectional Detection

|                            |  |
|----------------------------|--|
| Max. Detection Range       | > 5 km   |
| Frequency Range            | 45MHz ~ 6GHz   |
| Sweep Frequency Band       | 433MHz / 800MHz / 900MHz<br>1.4GHz / 2.4GHz / 5.8GHz |
| Receiving sensitivity      | <-110 dBm  |
| Scanning Range             | 360°   |
| Detection Angle            | 360°   |
| Detection Time             | 3 s  |
| Direction Finding Accuracy | <3°  |
| Ranging accuracy           | <10%   |
| Simultaneous Detection     | >10  |

#### Screen

|            |                   |
|------------|-------------------|
| Resolution | 1080P (1920*1200) |
| Size       | 10.1 inches       |

#### Packaging

|                    |                |
|--------------------|----------------|
| Package Dimensions | 600*450*230 mm |
| Package Weight     | 20 kg          |

## Smaug J3-10000

### Fixed Signal Simulating Device

Directional turn omnidirectional signal simulation equipment is deployed in a specific protection area to build an all-weather UAV no-fly zone and form a targeted and effective barrier. The system sends an analog signal. It can block the remote control link, map transmission link and navigation signal of unmanned aerial vehicle, and force the UAV to land or drive away. Each frequency band can work independently according to the software platform, and the product adopts modular design to facilitate networking deployment. It can be linked with signal detection equipment to form an automated unmanned aerial vehicle watch system, and implement effective signal simulation, and deporting the targets base on the accordance of the information provided by the detection system.



### Parameters

#### Features

- Jamming distance: available distance > 2.5-5 km.
- Fast response: the processing response time is less than 2 seconds.
- Patrol and strike linkage: It can be linked with detection device to continuously track and attack target drones.
- Limited secondary interference: directional concentrated emission can produce limited secondary interference to the surrounding environment.
- Fixed frequency band countermeasure: It can simultaneously or independently suppress 900M, 1.5GHz, 5.8GHz and other common frequency bands of UAVs.
- High flexibility of frequency bands: The device has built-in multiple modular frequency bands, which can realize independent control and module debugging of different frequency bands.

#### Core Parameter

|                               |   |
|-------------------------------|---|
| Signal Frequency Band         | 433M (420-450MHz) / 900M (850-940MHz)<br>(A total of five sectors each sector has 8 frequency bands, each power ≥50W) |
| Antenna Gain                  | > 8dBi  |
| Antenna Angle For Each Sector | 25°-30°   |
| Power Supply                  | AC220V  |
| Volume                        | (D+H) 520 * 1053.5 mm   |
| Weight                        | 73.84 kg (Without tripod)   |
| Operating Temperature         | -20°C~ 55°C   |

## Smaug J8-2000

### Omni-directional Signal Simulation Equipment

Omni-directional (360°) electromagnetic jamming equipment is deployed in specific protective areas to build all-weather no-fly zones for UAVs and form targeted and effective barriers. The system transmits jamming signals, realizing the jamming and blocking of UAV remote control links, mapping links and navigation signals, and forcing the UAV to force it to land or drive it away. It can be turned on by a physical button or independently controlled by a software platform, and can be linked with signal detection equipment, so that when the drone detection system finds a drone intrusion, the jamming system will respond quickly to drive the drone away, forming an automated protection zone for detection and combat.

### Parameters

#### Features

- 【Omni-directional Protection】 360° omnidirectional protection, effective protection of regional low altitude safety.
- 【Mode Selectable】 Users can flexibly choose the mode of eviction or forced landing according to the actual scenario, and can individually control the interference frequency band for precise strikes.
- 【Charting Systematic Linkages】 Supports manual opening by physical keys or automated opening by linkage detection equipment, realizing unattended low altitude safety.
- 【Antenna Elevation Design】 The product structure will transmit antenna elevation design, maximize the antenna coverage range.
- 【Support for multi-network communication】 the device has a built-in IoT module that supports unified control of multiple devices.

#### Environment

|                       |             |
|-----------------------|-------------|
| IP Protection Rating  | IP66        |
| Operating Temperature | -40 ~ 55 °C |
| Storage Temperature   | -40 ~ 80 °C |



## Smaug J6-2000

### The Signal Source Automatically Tracks The Simulation Device

According to the UAV position information given by the detector, the UAV can be automatically tracked, and the target UAV can be accurately tracked and driven away through signal simulation technology, forcing the UAV to hover, land or return.

### Parameters

#### Features

- Auto-track drones in 360 degrees.
- Pan-tilt rotation speed over 30°/s.
- Software-set simulation channels within 300MHz-6GHz range.
- Collaborates with detector for seamless drone tracking.
- Built-in GPS for easy network deployment.

#### General

|              |                |
|--------------|----------------|
| Power Source | AC 220V        |
| Dimensions   | 305*305*580 mm |
| Weight       | 12.8 kg        |



#### Simulate

|                            |               |
|----------------------------|---------------|
| Max. Interference Distance | 2 km          |
| Frequency Band             | 300MHz ~ 6GHz |
| Channel Quantity           | 6             |
| Response Time              | 3 s           |
| Simulation Angle           | 45°           |
| Horizontal rotation speed  | 30 °/s        |
| Pitch range                | -40 ~ 60°     |

#### Environment

|                       |             |
|-----------------------|-------------|
| IP Protection Rating  | IP66        |
| Operating Temperature | -40 ~ 70 °C |

## Smaug DJS10-5000

### 5km Fixed Detection And Striking Integrated Device

With the highly integrated design of passive detection. The single device can detect and simulate of the UAV while supporting both induction and simulation operations.



### Parameters

#### Features

- Omnidirectional defense against multiple drones.
- Passive detection, no electromagnetic emission.
- Customizable frequency bands and channels per demand.
- Long-range, 360° full-coverage drone detection.
- Supports DJI series, other brands, and DIY drones.

#### GPS Spoofing

|                          |   |
|--------------------------|---|
| Max. Effective Range     | 5 km  |
| Operating Frequency Band | GPS (L1 1575.42MHz)<br>GLONASS (G1 1602.0MHz)<br>BeiDou (E1 1575.42MHz)<br>Galileo (B1 1561.098MHz) |
| Response Time            | 3 s   |
| Simulation Angle         | 360°  |

#### Environment

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -40 ~ 70 °C |
|-----------------------|-------------|

#### Omnidirectional Detection

|                        |   |
|------------------------|---|
| Max. Detection Range   | 5 km  |
| Frequency Range        | 433 MHz / 800 MHz / 900 MHz<br>1.4 GHz / 2.4 GHz / 5.2 GHz<br>5.8 GHz |
| Detection Time         | 3 s   |
| Simultaneous Detection | >10   |

#### Signal Source Simulation

|                            |  |
|----------------------------|--|
| Max. Interference Distance | 2 km   |
| Frequency Band             | 800 MHz / 900 MHz / 2.4 GHz<br>5.2 GHz / 5.8 GHz |
| Response Time              | 3 s  |
| Simulation Angle           | 360°   |

#### General

|              |         |
|--------------|---------|
| Power Source | AC 220V |
| Weight       | 20 kg   |

## Smaug S8-5000

### Simulated Angle 5km Fixed Navigation Decoy Device

By radiating low-power regenerative navigation satellite signals (with a power of no more than 10 dBm), the system intrudes into the navigation systems of drones, thus achieving interception and control of drones that need to use navigation systems for flight control. This prevents them from entering protected areas.



### Parameters

#### GPS Spoofing

|                          |   |
|--------------------------|---|
| Max. Effective Range     | 5000 m  |
| Operating Frequency Band | GPS (L1 1575.42MHz)<br>GLONASS (G1 1602.0MHz)<br>BeiDou (E1 1575.42MHz)<br>Galileo (B1 1561.098MHz) |
| Response Time            | 3 s   |
| Simulation Angle         | 360°  |

#### General

|              |                |
|--------------|----------------|
| Power Source | AC 220V        |
| Dimensions   | 447*375*171 mm |
| Weight       | 12 kg          |

#### Environment

|                       |             |
|-----------------------|-------------|
| IP Protection Rating  | IP66        |
| Operating Temperature | -40 ~ 70 °C |

## Multirotor Drones



**LOONG Mini3**

32MIN Endurance | 214MM Small All-in-One



**LOONG Mini3 SE**

32MIN Endurance | 214MM Small All-in-One



**LOONG X8 Thermal**

47MIN Endurance | 372MM Small All-in-One



**LOONG X8 Tele Max**

47MIN Endurance | 372MM Small All-in-One



**LOONG 2S**

1KG Payload | 50MIN Endurance | 650MM Multirotor



**LOONG 2C**

3KG Payload | 60MIN Endurance | 928MM Multirotor



**LOONG 2M**

50MIN Endurance | 430MM Multirotor



**LOONG 2P**

2.5KG Payload | 55MIN Endurance | 970MM Multirotor



**LOONG 4**

10KG Payload | 70MIN Endurance | 1.6M Multirotor



**LOONG 4P**

15KG Payload | 60MIN Endurance | 1.7M Multirotor



**LOONG 6**

30KG Payload | 40MIN Endurance | 2.2M Multirotor



**LOONG 8-50**

50KG Payload | 55MIN Endurance | 2.3M Multirotor



**LOONG 10**

70KG Payload | 60MIN Endurance | 1.5M Multirotor



**LOONG 12**

100KG Payload | 30MIN Endurance | 4M Multirotor

## Other Drones



**LOONG M1**

1KG Payload    60MIN Endurance



**LOONG M2-7**

1.6KG Payload    22MIN Endurance



**LOONG M2-10**

3KG Payload    30MIN Endurance



**LOONG M4**

1.2KG Payload    30MIN Endurance



**LOONG M5-2000**

2KG Payload    30MIN Endurance



**LOONG M2-11**

4KG Payload    30MIN Endurance



**LOONG M2-13**

5KG Payload    40MIN Endurance



**LOONG M2-15**

6KG Payload    40MIN Endurance



**LOONG M5-5000**

5KG Payload    60MIN Endurance



**LOONG M9**

50KG Payload    8~9H Endurance