



# Product Catalogue

(Drones)

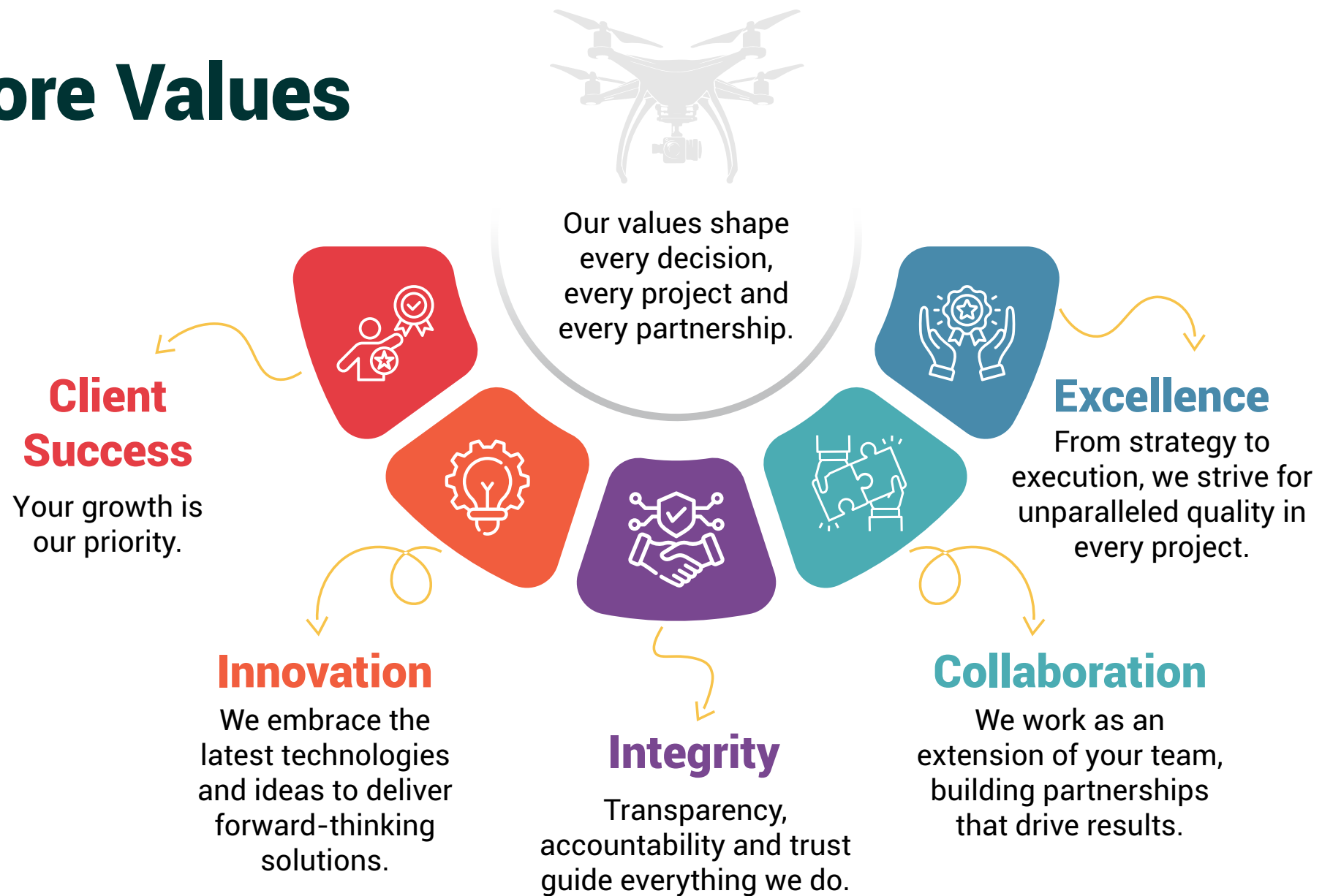
*Empowering Organisations  
with Smart & Scalable  
**Digital Transformation***

# Who We Are

SAFNIC Solutions is a next-generation digital transformation partner and advanced UAV systems provider. We specialize in engineering connected ecosystems— spanning ERPs, e-Commerce, and digital growth platforms — alongside a professional fleet of high-performance agricultural and industrial drones. By merging intelligent software strategy with cutting-edge aerial technology, we empower organizations to perform smarter, scale faster, and achieve superior operational efficiency.

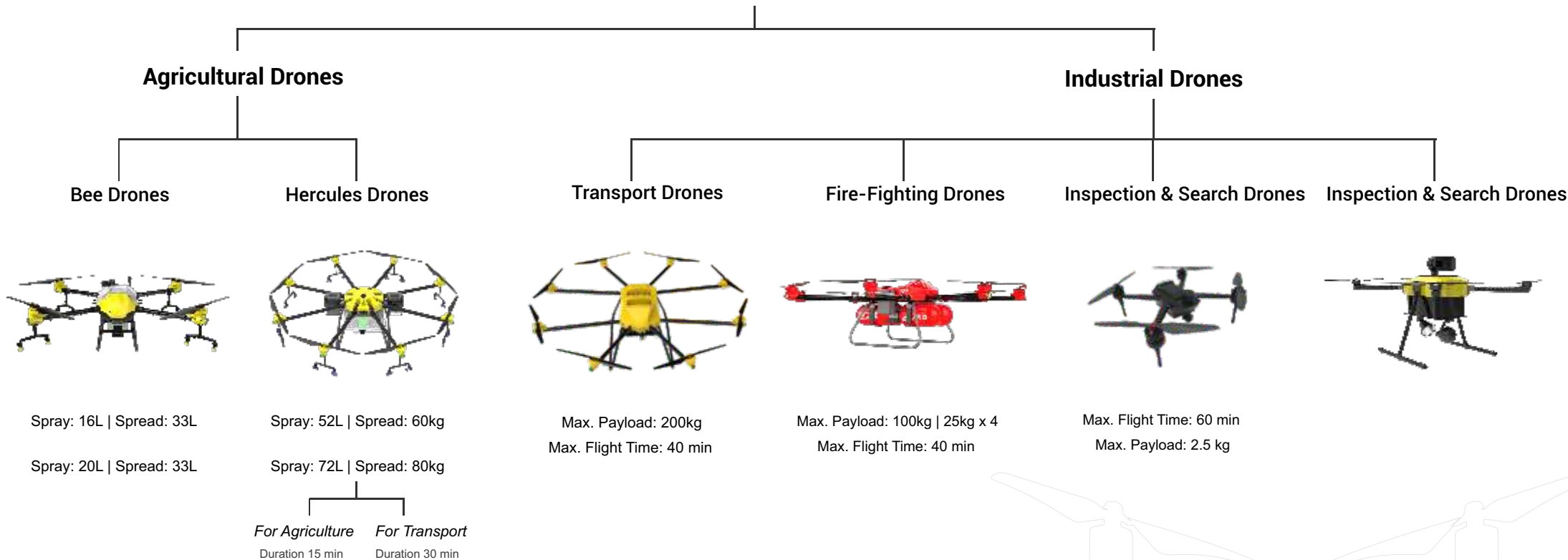


# Core Values



# Agricultural & Industrial Drone Models

Comprehensive solutions for all industrial drone applications. Support OEM/ODM Customization







# Agricultural Drones

SAFNIC Solutions offers a professional line of agricultural drones with capacities ranging from 16L to 82L. These drones are extensively used for key farming tasks, including spraying pesticides, spreading fertilizer, sowing seeds, and feeding. Their design ensures perfect adaptability to diverse terrains, such as small plots, large fields, orchards, and mountainous areas. The superior efficiency, stability, and portability of our systems are engineered to meet the demanding requirements of modern agriculture.



# Agricultural Drone Models Comparison



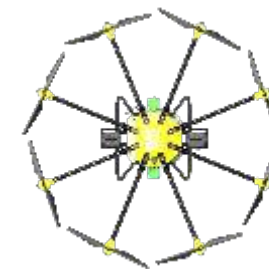
**Bee Drones**



**Bee Drones**



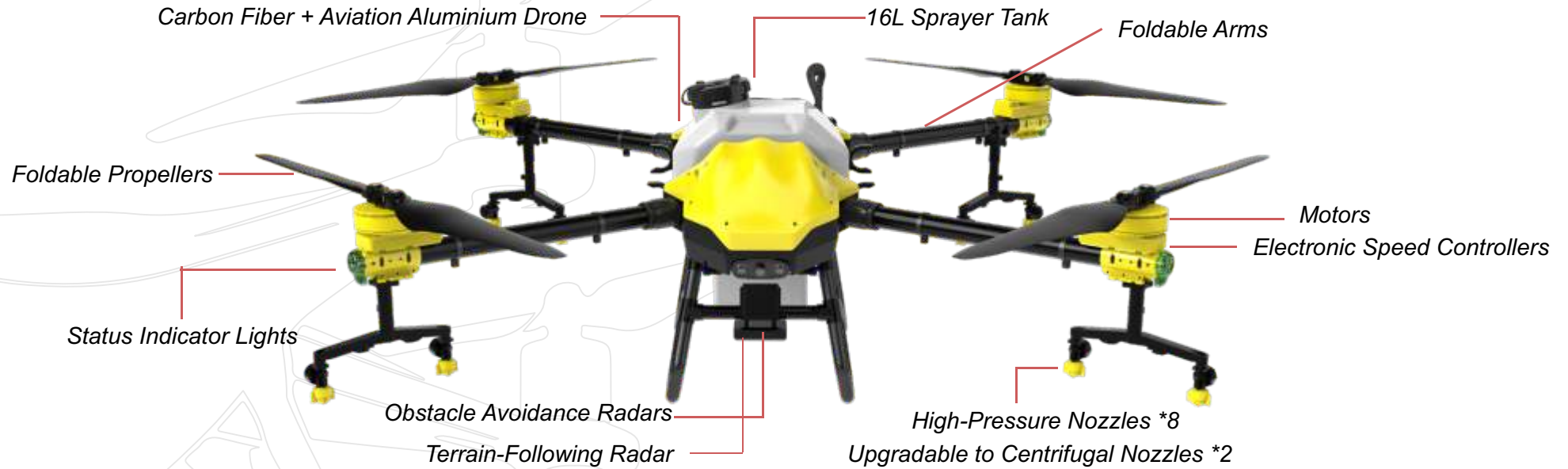
**Hercules Drones**



**Hercules Drones**

Capacity	16L	20L	52L	72L~82L
Operational Efficiency	10 ha/h	16 ha/h	23 ha/h	30 ha/h
Material	Carbon Fiber + Aviation Aluminum	Carbon Fiber + Aviation Aluminum	Carbon Fiber + Aviation Aluminum	Carbon Fiber + Aviation Aluminum
Folded Dimensions	1010*610*575 mm	1010*610*575 mm	870*1000*1955 mm	1100*900*1980 mm
Unfolded Dimensions	1300*1100*600 mm	1300*1100*600 mm	2760*2760*850 mm	3040*3040*850 mm
Weight (excl. battery)	15.2 kg	18 kg	44 kg	51 kg
Maximum Take-off Weight	38 kg	44.8 kg	113 kg	149 kg
Nozzles	High-Pressure Nozzles, 8~16	High-Pressure Nozzles, 8~16	High-Pressure Nozzles, 16~32	High-Pressure Nozzles, 16~32
Spraying Width	4~8m	4~8 m	6~12 m	8~15 m
Endurance	13~15 min	13~15 min	13~15 min	13~15 min
Maximum Flight Speed	12 m/s	12 m/s	12 m/s	12 m/s
Operation Mode	Auto / Manual / Ponto AB	Auto / Manual / Ponto AB	Auto / Manual / Ponto AB	Auto / Manual / Ponto AB
Obstacle Avoidance	✓	✓	✓	✓
Terrain-following Flight	✓	✓	✓	✓
Battery	14s 20,000mah smart lithium battery, x1	14s 20,000mah smart lithium battery, x1	14s 28,000mah smart lithium battery, x2	14s 42,000mah smart lithium battery, x2

# Agricultural Drone



Remote Control \*1



Intelligent Battery  
14s 20000mAh \*1



Intelligent charger \*1



FPV Camera +  
Night Navigation Lights



Tool Box



Aluminum Transport Case

# Agricultural Drones Specifications

## 1. Aerial Platform

Dimensions (folded)	1010*610*575 mm
Dimensions (unfolded)	1300*1100*600 mm
Weight (excluding battery)	15.2 kg
Weight (Including battery)	22 kg
Waterproof Grade	IP67

## 2. Flight Parameters

Max. Takeoff Weight	38 kg
Max. Flight Speed	12 m/s
Max. Flight Altitude	< 20 m
Hovering Duration	15 min (with no-load)
	6.5 min (with full-load)

## 3. Spraying System

Liquid Tank	Capacity	16 L
	Nozzle Type	High-pressure nozzles
	Quantity	8
	Spray Width	4-8m
Atomizing Size	Quantity	60-90 μm
	Max. System Flow Rate	8 L/min

## 4. Spreading System

Capacity	33 L
Waterproof Grade	IP65
Applicable Granule Size	1-10 mm

## 5. Propulsion System

Motor	Max. Tension (Single Motor)	21.5 kg
Foldable Propeller	Diameter x Screw Pitch	34*110 inch
Electronic Speed Controller	Max. Continuous Operating Current	100 A
	Max. Operating Voltage (13S Lipo)	60.9 V

## 6. Obstacle Avoidance System

Front and Rear Obstacle Avoidance Radar	Quantity	2
	Relative Height of Safe Obstacle Avoidance	> 2 m
	Relative Speed of Safe Obstacle Avoidance	< 8 m/s
Terrain-Following Radar	Quantity	1
	Max. Gradient (at flight speed of < 2 m/s)	45°

## 7. Camera

Camera Type	HD FPV Camera
Video Resolution	1920*1080 px
Night Navigation	High Brightness Night Flight Lights

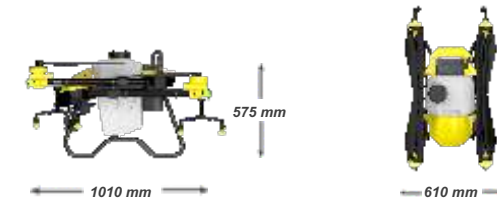
## 8. Remote Control

Model	Android OS
Remote Controller	5.5-inch screen, 1920×1080, 1,000 cd/m²
Max Signal Range (No Interference / Obstruction)	5km
Operating Frequency	2.400~2.483 Ghz
Dimensions	190*152*94mm
Charging port	TYPE-C
Duration	6~20 H
Compatible Device	Bees & Hercules

Dimensions (Unfolded)



Dimensions (Folded)

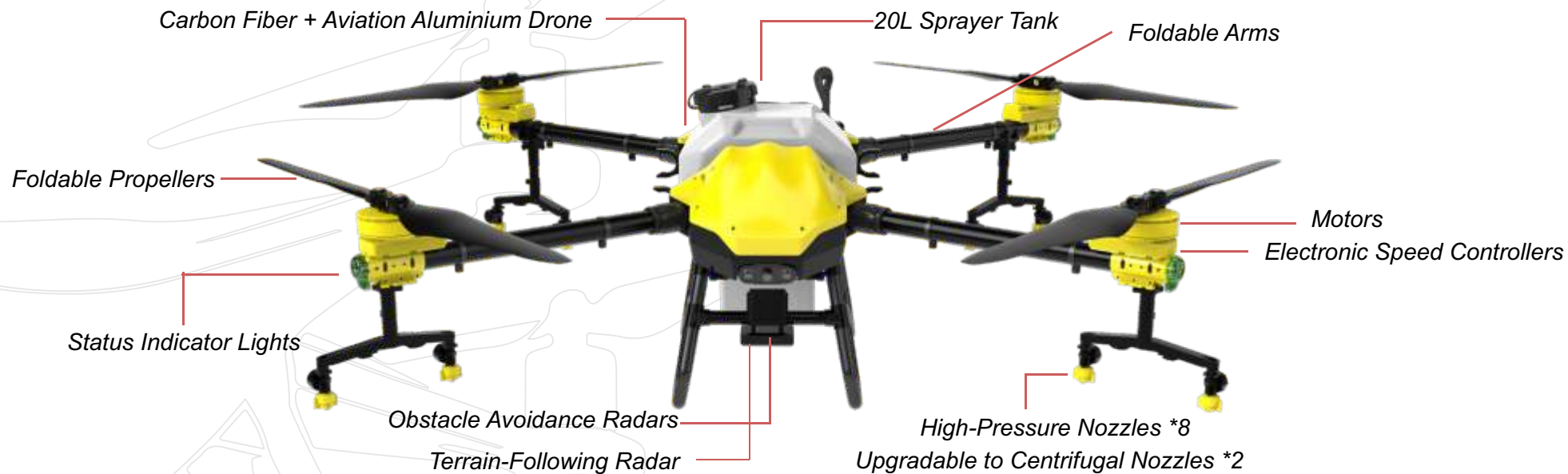


## 9. Power System

Smart Battery	Quantity	1 Unit
	Model	14S 20000mAh
	Rated Capacity	60.9V/40A/2400W
	Size	163 91*218mm
	Weight	6.5kg
Smart Charger	Ambient Temperature for Charging	10~45 C
	Quantity	1 Unit
	Model	L6025P
	Charging Input	110V-240V 1200w*2
	Charging Output	40A (single-channel charging); 25A (dual-channel charging)
	Rated Power	2400w



# Agricultural Drone



Remote Control \*1



Intelligent Battery  
14s 20000mAh \*1



Intelligent charger \*1



Obstacle Avoidance Radar \*2

Terrain-Following Radar \*1

FPV Camera +  
Night Navigation Lights



Newbie Pack



Tool Box



Aluminum Transport Case

# Agricultural Drones Specifications

## 1. Aerial Platform

Dimensions (folded)	1010*610*575 mm
Dimensions (unfolded)	1300*1100*600 mm
Weight (excluding battery)	18 kg
Weight (Including battery)	24 kg
Waterproof Grade	IP67

## 2. Flight Parameters

Max. Takeoff Weight	44.8 kg
Max. Flight Speed	12 m/s
Max. Flight Altitude	≤ 20 m
Hovering Duration	15 min (with no-load)
	5 min (with full-load)

## 3. Spraying System

Liquid Tank	Capacity	20 L
	Nozzle Type	High-pressure nozzles
Nozzles	Quantity	8
	Spray Width	4~8m
	Atomizing Size	60-90 μm
Pump	Quantity	1
	Max. System Flow Rate	8 L/min

## 4. Spreading System

Capacity	33 L
Waterproof Grade	IP65
Applicable Granule Size	1~10 mm

## 5. Propulsion System

Motor	Max. Tension (Single Motor)	29 kg
Foldable Propeller	Diameter x Screw Pitch	36*120 inch
Electronic Speed Controller	Max. Continuous Operating Current	120 A
	Max. Operating Voltage (13S Lipo)	60.9 V

## 6. Obstacle Avoidance System

Front and Rear Obstacle Avoidance Radar	Quantity	2
	Relative Height of Safe Obstacle Avoidance	> 2 m
	Relative Speed of Safe Obstacle Avoidance	< 8 m/s
Terrain-Following Radar	Quantity	1
	Max. Gradient (at flight speed of < 2 m/s)	45°

## 7. Camera

Camera Type	HD FPV Camera
Video Resolution	1920*1080 px
Night Navigation	High Brightness Night Flight Lights

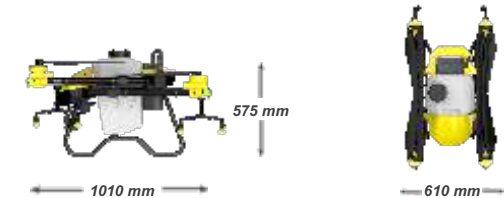
## 8. Remote Control

Model	Android OS
Remote Controller	5.5-inch screen, 1920×1080, 1,000 cd/m²
Max Signal Range (No Interference / Obstruction)	5km
Operating Frequency	2.400~2.483 Ghz
Dimensions	190*152*94mm
Charging port	TYPE-C
Duration	6~20 H
Compatible Device	Bees & Hercules

Dimensions (Unfolded)



Dimensions (Folded)



## 9. Power System

Smart Battery	Quantity	1 Unit
	Model	14S 20000mAh
	Rated Capacity	60.9V/40A/2400W
	Size	163 91*218mm
	Weight	6.5kg
Smart Charger	Ambient Temperature for Charging	10~45 C
	Quantity	1 Unit
	Model	L6025P
	Charging Input	110V-240V 1200w*2
	Charging Output	40A (single-channel charging); 25A (dual-channel charging)
	Rated Power	2400w

# Drone Battery & Charger Quantity Recommendation



Default Quantity

*Option A*



Charger: x1

Battery: **x1**

For Continuous/Uninterrupted Operation

*Option B*



Charger: x1

Battery: **x4**

*Option C*



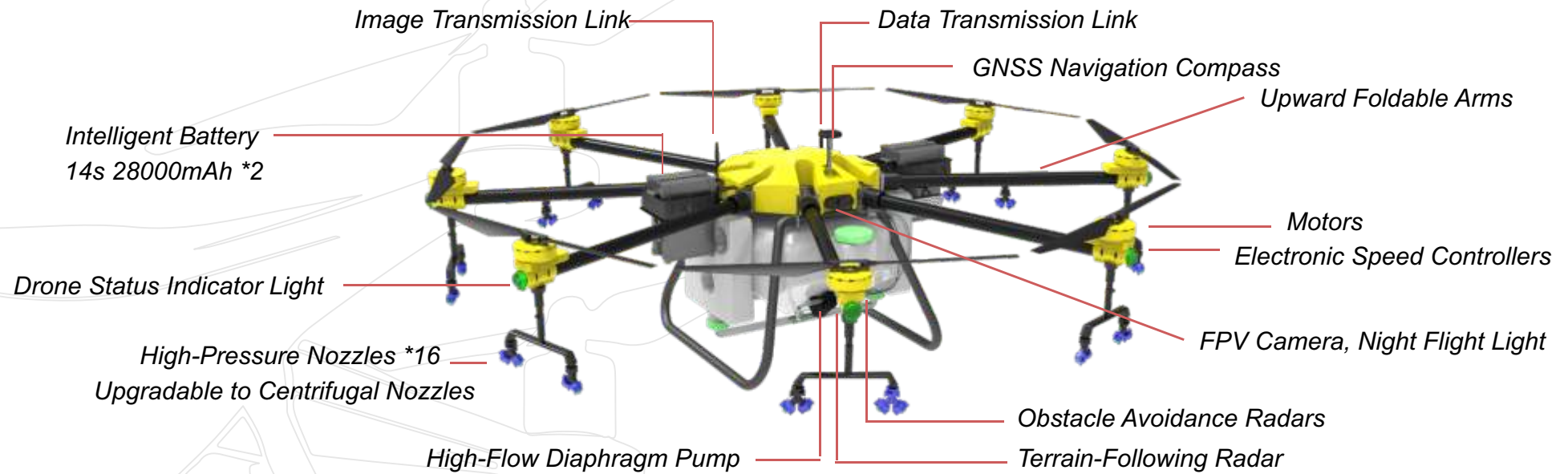
Charger: **x2**

Battery: **x3**

\* The drone's operation flight time is approximately 7-8 minutes, and it usually has about 40%-50% battery remaining upon return. The battery can be fully charged in 15 minutes with the equipped intelligent charger. For Continuous Operation, we recommend **the most cost-effective Option C (3 Batteries + 2 Chargers)**.



# Agricultural Drone



Remote Control \*1



Intelligent Battery  
14s 28000mAh \*2



Intelligent charger \*1



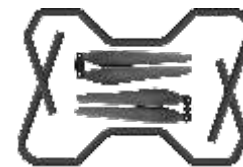
Obstacle Avoidance Radar \*2



Terrain-Following Radar \*1



FPV Camera +  
Night Navigation Lights



Newbie Pack



Tool Box

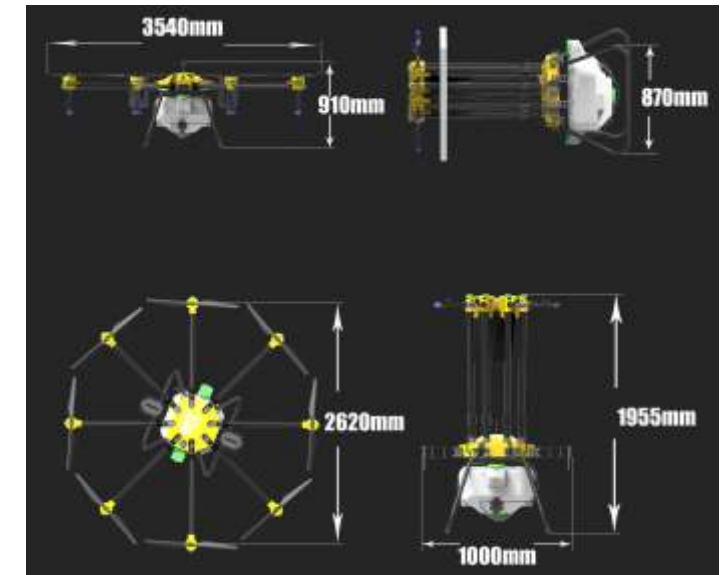


Aluminum Transport Case

# Agricultural Drones Specifications

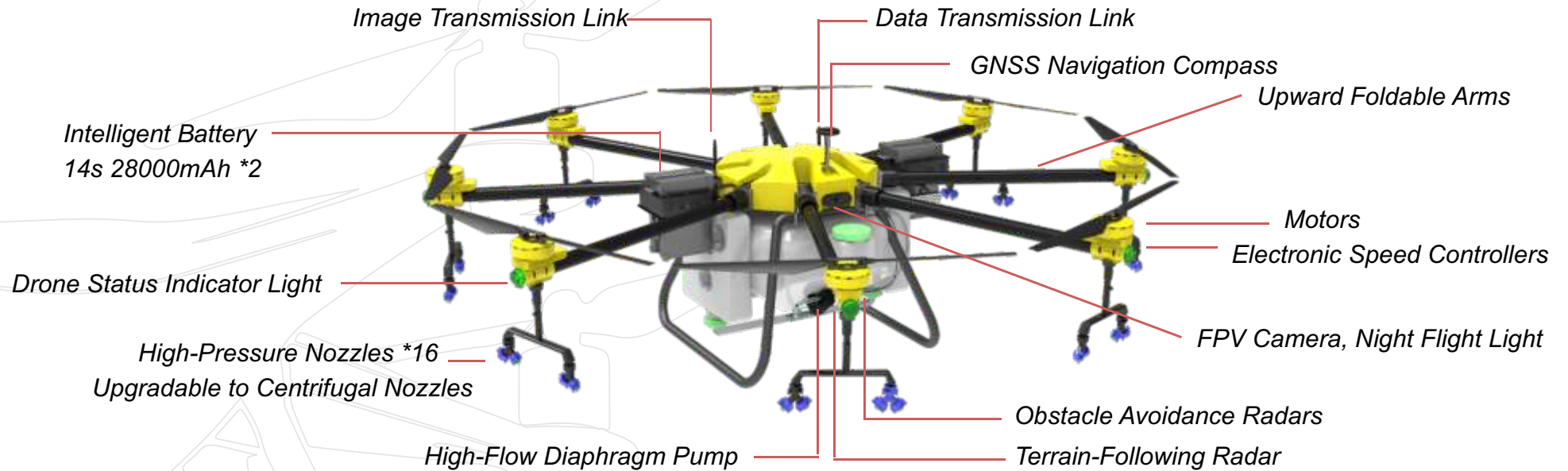
1. Aerial Platform		
Dimensions (folded)		870*1000*1955 mm
Dimensions (unfolded)		2760*2760*850 mm
Weight (excluding battery)		44 kg
Weight (Including battery)		61 kg
Waterproof Grade		IP67
2. Flight Parameters		
Max. Takeoff Weight		113 kg
Max. Flight Speed		12 m/s
Max. Flight Altitude		< 20 m
Hovering Duration		15 min (with no-load)
		5 min (with full-load)
3. Spraying System		
Liquid Tank	Capacity	52 L
Nozzles	Nozzle Type	High-pressure nozzles
	Quantity	16
	Spray Width	6~12 m
	Atomizing Size	60-90 μm
Pump	Quantity	1
	Max. System Flow Rate	16 L/min
4. Spreading System		
Capacity		60 kg
Waterproof Grade		IP65
Applicable Granule Size		1-10 mm

5. Propulsion System		
Motor	Max. Tension (Single Motor)	29 kg
Foldable Propeller	Diameter x Screw Pitch	36*120 inch
Electronic Speed Controller	Max. Continuous Operating Current	120 A
	Max. Operating Voltage (13S Lipo)	60.9 V
6. Obstacle Avoidance System		
Front and Rear Obstacle Avoidance Radar	Quantity	2
	Relative Height of Safe Obstacle Avoidance	> 2 m
	Relative Speed of Safe Obstacle Avoidance	< 8 m/s
Terrain-Following Radar	Quantity	1
	Max. Gradient (at flight speed of < 2 m/s)	45°
7. Camera		
Camera Type	HD FPV Camera	
Video Resolution	1920*1080 px	
Night Navigation	High Brightness Night Flight Lights	
8. Remote Control		
Model	Android OS	
Remote Controller	5.5-inch screen, 1920×1080, 1,000 cd/m²	
Max Signal Range (No Interference / Obstruction)	5km	
Operating Frequency	2.400~2.483 Ghz	
Dimensions	190*152*94mm	
Charging port	TYPE-C	
Duration	6~20 H	
Compatible Device	Bees & Hercules	



9. Power System		
Smart Battery	Quantity	1 Pair (2 Unit)
	Model	14S 28000mAh *2
	Rated Capacity	60.9V/40A/2400W
	Size	180*110*245mm
	Weight	9.1kg
	Ambient Temperature for Charging	10~45 C
Smart Charger	Quantity	1 Unit
	Model	L6025P
	Charging Input	110V-240V 1200w*2
	Charging Output	55A (single-channel charging)
	Rated Power	3000 w

# Agricultural Drone



Remote Control \*1



Intelligent Battery  
14s 42000mAh \*2



Intelligent charger \*1



Obstacle Avoidance Radar \*2

Terrain-Following Radar \*1

FPV Camera +  
Night Navigation Lights



Newbie Pack



Tool Box



Aluminum Transport Case



# Agricultural Drones Specifications

## 1. Aerial Platform

Dimensions (folded)	1100*900*1980 mm
Dimensions (unfolded)	3040*3040*850 mm
Weight (excluding battery)	51 kg
Weight (Including battery)	77 kg
Waterproof Grade	IP67

## 2. Flight Parameters

Max. Takeoff Weight	149 kg
Max. Flight Speed	12 m/s
Max. Flight Altitude	≤ 20 m
Hovering Duration	15 min (with no-load)
	5 min (with full-load)

## 3. Spraying System

Liquid Tank	Capacity	72 L / 82L
	Nozzle Type	High-pressure nozzles
	Quantity	16
	Spray Width	8~15 m
Atomizing Size	Quantity	60-90 μm
	Max. System Flow Rate	16 L/min

## 4. Spreading System

Capacity	80 kg
Waterproof Grade	IP65
Applicable Granule Size	1~10 mm

## 5. Propulsion System

Motor	Max. Tension (Single Motor)	35 kg
Foldable Propeller	Diameter x Screw Pitch	40*132 inch
Electronic Speed Controller	Max. Continuous Operating Current	120 A
	Max. Operating Voltage (13S Lipo)	60.9 V

## 6. Obstacle Avoidance System

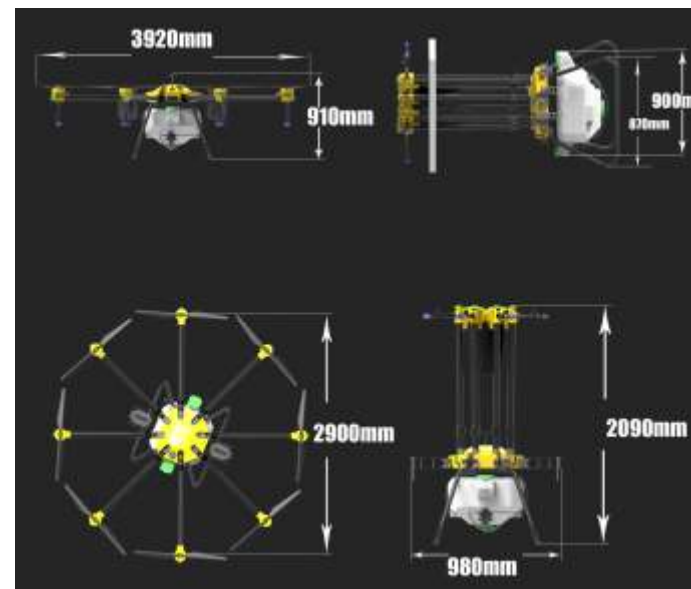
Front and Rear Obstacle Avoidance Radar	Quantity	2
	Relative Height of Safe Obstacle Avoidance	> 2 m
	Relative Speed of Safe Obstacle Avoidance	< 8 m/s
Terrain-Following Radar	Quantity	1
	Max. Gradient (at flight speed of < 2 m/s)	45°

## 7. Camera

Camera Type	HD FPV Camera
Video Resolution	1920*1080 px
Night Navigation	High Brightness Night Flight Lights

## 8. Remote Control

Model	Android OS
Remote Controller	5.5-inch screen, 1920×1080, 1,000 cd/m²
Max Signal Range (No Interference / Obstruction)	5km
Operating Frequency	2.400~2.483 Ghz
Dimensions	190*152*94mm
Charging port	TYPE-C
Duration	6~20 H
Compatible Device	Bees & Hercules



## 9. Power System

Intelligent Battery	Quantity	1 Pair (2 Unit)
	Model	14S 42000mAh *2
	Rated Capacity	60.9V/40A/2400W
	Weight	14 kg
	Ambient Temperature for Charging	10~45 C
Smart Charger	Quantity	1 Unit
	Model	L6025P
	Charging Input	110V-240V 1200w*2
	Charging Output	55A (single-channel charging)
	Rated Power	3000 w

# Drone Battery & Charger Quantity Recommendation



## Default Quantity

### Option A



Charger: x1    Battery: **1 Pair**

## For Continuous/Uninterrupted Operation

### Option B



Charger: x1    Battery: **4 Pair**

### Option C



Charger: **x2**    Battery: **3 Pair**

\* The drone's operation flight time is approximately 7-8 minutes, and it usually has about 40%-50% battery remaining upon return. The battery can be fully charged in 15 minutes with the equipped intelligent charger. For Continuous Operation, we recommend **the most cost-effective Option C (3 Pair Batteries + 2 Chargers)**.





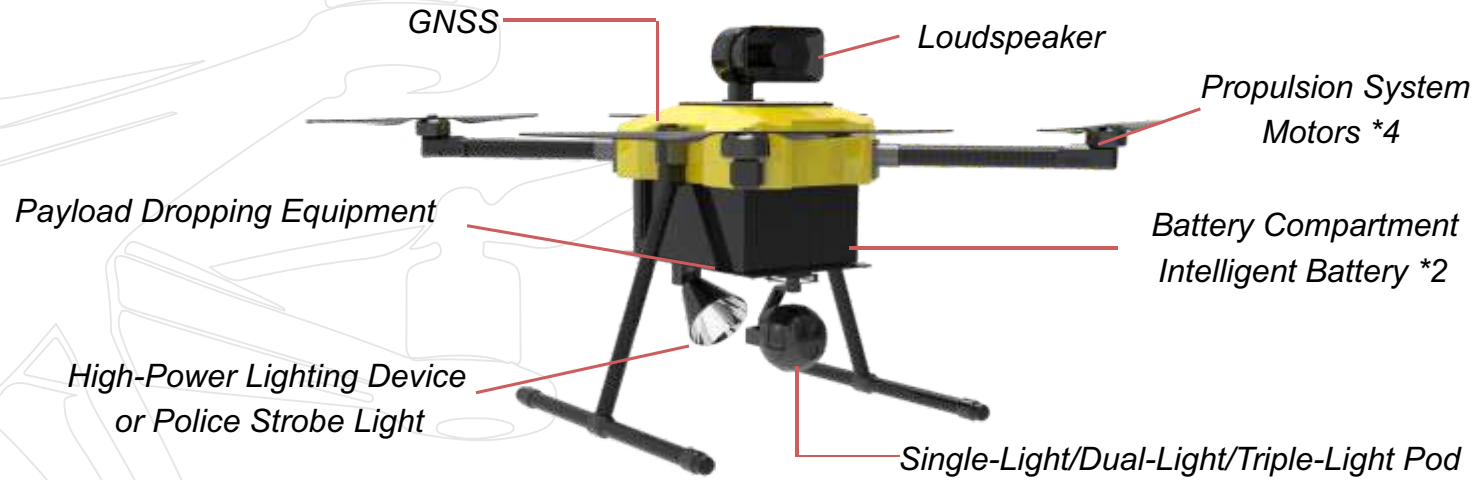
# Long Endurance Drone

SAFNIC Solutions offers two Long Endurance Drone models, which are defined by their extended flight times and capability to carry various payloads and equipment. These multi-rotor drones are ideal for applications such as oil/pipeline and high-voltage line inspection, search and rescue, reconnaissance, patrolling, materials transportation, loudspeaker broadcasting, and aerial guidance. Their convenience stems from easy takeoff and landing with no specific site requirements.



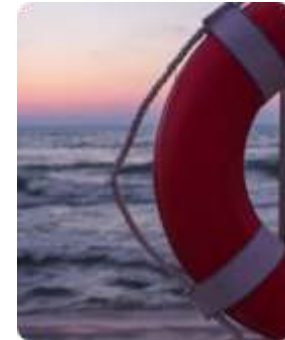
# Long Endurance Drone

Max. Flight Time: 120 min | Max. Payload: 5 kg



## Applications

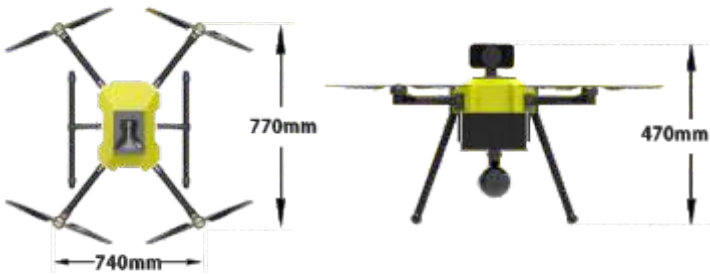
Applications: Power line inspection, pipeline inspection, search and rescue, patrolling, loudspeaker broadcasting, etc.



# Long Endurance Specifications

1. Aerial Platform	
Dimensions (unfolded)	740 mm * 770 mm * 470 mm (29.13" x 30.31" x 18.50")
Dimensions (folded)	300 mm * 230 mm * 470 mm (11.81" x 9.06" x 18.50")
Rotor distance	968 mm
Product Material	Carbon fiber + 7075 aviation aluminum + Plastic
Total weight	7.3 kg
Rain Prevention Level	Moderate Rain
Wind Resistance Level	Level 6
Noise Level	< 50dB
Storage Form	The arm folds vertical
	Rapid demolition of landing gear
	Rapid demolition of propeller

2. Flight Parameters	
Hover-flight time	110mins (Max)
Route-flight time	120mins (Max)
Standard Payload	3.0 kg
Maximum Payload	5.0 kg
Maximum flying range	65 km
Cruising speed	10 m/s
Maximum Rate of Rise	5 m/s
Maximum Drop Rate	3 m/s
Maximum Rise Limit	5000 m
Working Temperature	-40 ℃ ~ 50 ℃
Wind Resistance Grade	IP67



Load endurance
Load of 1 kg, the hover-flight time is 90 minutes
Load of 2 kg, the hover-flight time is 75 minutes
Load of 3 kg, the hover-flight time is 65 minutes
Load of 4 kg, the hover-flight time is 60 minutes
Load of 5 kg, the hover-flight time is 50 minutes

\* These industrial drones provide a flight platform, and we can offer a free in-depth customization solution for the drones based on the specific usage scenarios and requirements of our clients.

# Mount Devices Compatibility



## Dual-Axis Gimbal Pod

- High-Definition Camera: 1080P
- Dual-Axis stabilization
- Multi-Angle truefield of view



## Drone-mounted Megaphone

- Transmission range of 3-5 km
- Small and lightweight speaker
- Clear sound quality



## Deployment Box

- Maximum Payload of 5kg
- High-Strength Structure
- Suitable for Delivering Materials



## 14x Single-Light Pod

- Effective Pixels: 12 Million
- Lens Focal Length: 14x Zoom
- Minimum Focus Distance: 10mm



## Illumination Device

- Rated Brightness: 4000 Lumens
- Beam Diameter: 3m
- Effective Lighting Distance: 300m



## Drop Rope

- High-strength, Lightweight: 1.1kg
- Quick-Release, Heat-Resistant
- Emergency rescue aerial delivery



## 10x Dual-light Pod

- CMOS Size 1/3 inch, 4 million pixels
- Thermal Imaging: 256\*192 pixels
- Wave: 8-14  $\mu$ m, Sensitivity:  $\leq 65$ mk



## Atmospheric Monitor

- Detectable Gas Types: Flammable Gas, Oxygen, Ozone, CO<sub>2</sub>, CO, Ammonia, Formaldehyde, etc



## Remote Deployer

- A Key Remote Control
- Easy Operation
- Remote Control Pre-Set with Data



## 30x Dual-light Pod

- 30x 2-megapixel optical zoom core
- 640\*480 pixel infrared camera
- Modular design, strong extensibility



## Multispectral Camera

- CMOS: 1/3": Global Shutter,
- Effective Pixels: 1.2 million pixels
- Pest and Disease Assessment



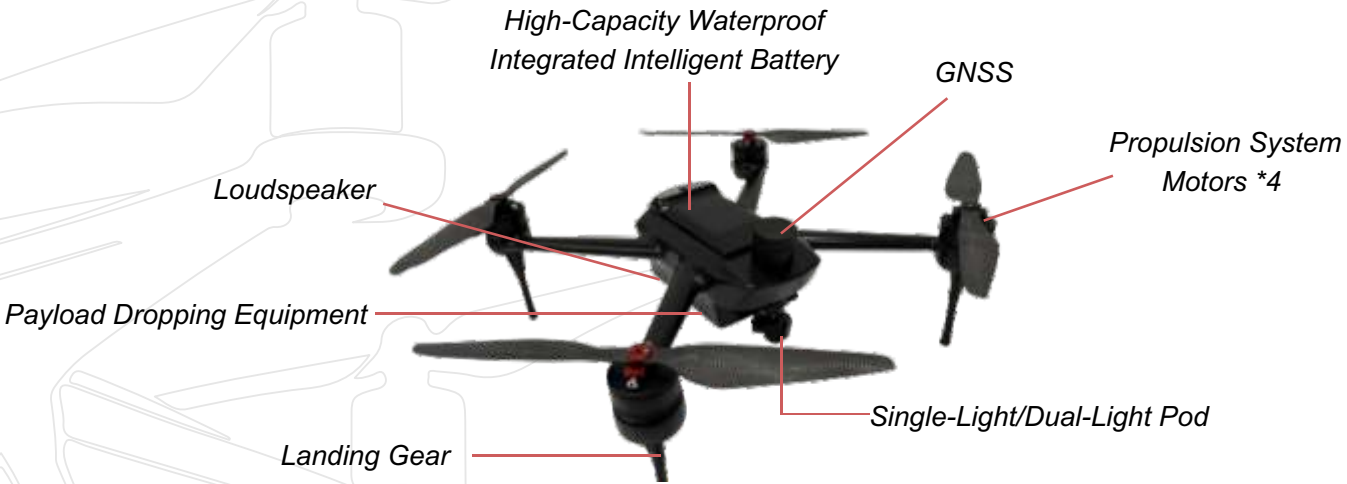
## Automatic Release Hook

- Lifting Weight:  $\leq 80$ kg
- Automatic Opening of Hook upon Cargo Landing



# Long Endurance Drone

Max. Flight Time: 60 min | Max. Payload: 2.5 kg



1. Aerial Platform	
Dimensions (unfolded)	480 mm * 480 mm * 180 mm (18.90" x 18.90" x 7.09")
Product Material	Carbon fiber + 7075 aviation aluminum + Plastic
Net weight	2.3 kg
Wind Resistance Level	Level 6
Payload Module	Quick release & replacement

2. Flight Parameters	
Max. Flight Time	65 min
Max. Takeoff Weight	6.5 kg
Max. Payload	2.5 kg
Max. Flight Range	10 km
Max. Speed	10 m/s
Maximum Rise/Drop Rate	5 m/s

3. GPS	
GPS Operating Modes	RTK/GPS Positioning
Positioning Accuracy	5 cm
Navigation Control	Dual-Frequency GPS Navigation
Mission Mode	Fully Automatic
Safety Mechanism	Supports Attitude Anomaly Return to Home, Automatic Hovering upon GPS Loss, Automatic Return to Home on Disconnection, etc.

\* These industrial drones provide a flight platform, and we can offer a free in-depth customization solution for the drones based on the specific usage scenarios and requirements

# Compatible Mount Devices



## Dual-Axis Gimbal Pod (Standard)

- High-Definition Camera: 1080P
- Dual-Axis stabilization
- Multi-Angle truefield of view



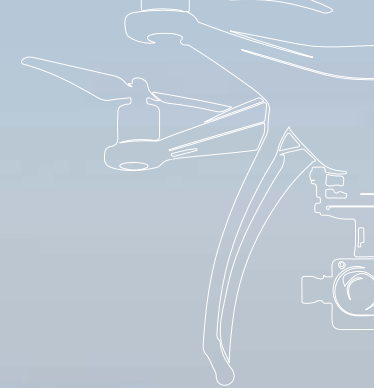
## Drone-mounted Megaphone

- Transmission range of 3-5 km
- Small and lightweight speaker
- Clear sound quality



## Miniature Drop Dispenser

- Dual path throwing
- capable of carrying up to 2 kg on a single path



# Heavy Payload Drone

This Spider series includes two specialized models. The Spider Transport Drone boasts a 200kg payload capacity and a maximum 40-minute flight time, designed for the rapid and efficient delivery of goods. Concurrently, the Spider Firefighting Drone provides critical support at fire scenes by performing tasks like fire source location, extinguishing, search and rescue, and window breaking. This model quickly reaches the scene to provide timely support, effectively minimizing fire spread risk and maximizing response speed and efficiency.



# Heavy Payload Transport Drone

Max. Payload: 200 kg | Max. Flight Time: 40 min



**Applications:** Widely used for the transportation of goods, materials, fruits, etc, reducing labor costs and enhancing work efficiency.

Specifications	
Dimensions	4080 mm * 4080 mm * 830 mm (160.63" x 160.63" x 32.698")
Max. Takeoff Weight	240 kg
Max. Payload	200 kg
Hover-flight time	40 min
Maximum Flight Altitude	2000 m
Wind Resistance Level	Level 7



\* These industrial drones provide a flight platform, and we can offer a free in-depth customization solution for the drones based on the specific usage scenarios and requirements

# Heavy Payload Firefighting Drone

Max. Payload: 25 kg \* 4 Fire-extinguishing Bombs

Specifications of Fire-extinguishing Bombs	
Caliber	φ 258 mm
Total Length of the Bomb	600 mm
Type of Fire Extinguishing Agent	Water-gel based extinguishing agent or dry powder extinguishing agent
Net Weight of Fire Extinguishing Agent	25 kg
Dispersion Radius	≥ 15 m
Coverage Area	≥ 200 m²
Safety Radius	≥ 40 m
Height for Arming Release	≥ 15 m
Bombing Height	15~100 m
Operating Environmental Temperature	-20℃ ~ 60℃
Fully Sealed	Waterproof, Moisture-proof
Safety Fuse	Double-insured, Explosion-proof

Specifications of Drone	
Dimensions (when unfolded)	5600 mm * 5600 mm * 980 mm (220.47" x 220.47" x 38.602")
Weight	52 kg
Max. Altitude Limit	4500 m
Operation Height	≤ 1000m
Max. Payload	100 kg
Max. Takeoff Weight	190 kg



\*These industrial drones provide a flight platform, and we can offer a free in-depth customization solution for the drones based on the specific usage scenarios and requirements of our clients.



# 10-15inch Foldable FPV

## Dual-light Camera AI tracking Platform



### Product Packaging



**SG 10F** Package Dimension: 46\*40\*29cm  
Package Weight: 7.05kg



**SG 13F** Package Dimension: 46\*40\*29cm  
Package Weight: 8.05kg

**SG 15F** Package Dimension: 55\*46.5\*29cm  
Package Weight: 10.95kg

### Products Parameters

10F Parameters			
Unfolded Dimensions	360*320*95mm	GPS	M10
Folded Dimensions	140*314*95mm	Max Flight Speed	120km/h
Wheelbase	426mm	Battery	6S 10000mAh
Weight	1.8kg (without battery)	Location System	One-Key Return
Max Payload	4kg	Max Flight Time	40mins@0kg payload
Propeller	Folding Propellers		9mins@4kg payload
Operating temperature	-20°C ~ 70°C	Video transmission range	20km

13F Parameters			
Unfolded Dimensions	412*427*114mm	GPS	M10
Folded Dimensions	179*407*114mm	Max Flight Speed	120km/h
Wheelbase	530mm	Battery	6S 10000mAh
Weight	1.96kg (without battery)	Location System	One-Key Return
Max Payload	5kg	Max Flight Time	20mins@0kg payload
Propeller	Folding Propellers		10mins@5kg payload
Operating temperature	-20°C ~ 70°C	Video transmission range	20km

15F Parameters			
Unfolded Dimensions	550*516*118mm	GPS	M10
Folded Dimensions	313*425*118mm	Max Flight Speed	120km/h
Wheelbase	630mm	Battery	6S 22000mAh
Weight	2.85kg (without battery)	Location System	One-Key Return
Max Payload	8kg	Max Flight Time	50mins@0kg payload
Propeller	Folding Propellers		13mins@6kg payload
Operating temperature	-20°C ~ 70°C	Video transmission range	20km

Dual-Light Camera Specifications			
Visible light camera parameters			
Lens resolution	500k	Image transmission resolution	1280*720
Focal length	4-3.5-4.75mm	Video record resolution	2560*1440
Aperture	F2.8	Supports storage card types	Supports Micro SD storage (up to 128GB)
HRD/VFOW/DFOW	100°/52°/32°	Zoom	30x
Thermal imaging camera parameters			
Resolution	384*288	Aperture	F1.8
Frame rate	≤25Hz	FOV	24.8°*18.7°
Thermal time constant	<10ms	Pixel spacing	13μm
Focal length	7mm	Spectral range	8-14μm



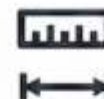
# Drone Jammer

## | Features

### ◆ Detection Module Features:



400+  
Model Identification



10km  
Detection Range



Target Location



70MHz - 6.0GHz  
Detection Band



Remote ID / Drone ID  
Electronic Fingerprint



360°  
Direction Finding



Whitelist  
and Blacklist



≥99.9%  
Detection Accuracy Rate

### ◆ Jamming Module Features



2KM  
Jamming Range



Integration  
Precision Strike



800MHz - 5.8GHz  
Jamming Band



Remote Monitoring  
Automated Operation



7\*24h  
Unmanned Operation



8-Directional  
Targeted Deterrence



One-to-One  
Precise Control








IP65  
Protection Level

# Performance Specifications






Function	Detect and Jam 400+ UAVs, including DJI, Autel and FPV drones
Detection Range	10 km
Detection Frequency	70 MHz - 6 GHz
Jamming Range	2 km
Jamming Frequency Band	433 MHz, 800 MHz, 900 MHz, 1.5 GHz 2.4 GHz, 5.1 - 5.2 GHz, 5.8 GHz
Multi-Target Detection	≥ 150 units
Number of Detection Devices	400+ kinds of models
Protection Level	IP65
Detection Angle	360°
Detection Accuracy Rate	≥ 99.9%
Operating Temperature	-40°C ~ +55°C
Package Dimensions & Weight	Detector pack: 50*50*68cm / 18kg Jammer pack: 50*68*38cm / 32kg

# Fixed Wing UAV

Picture					
Wingspan	2400mm	3580mm	2998mm	3378mm	4128mm
Endurance	3 hours	3 hours	6 hours ( 1kg @ 6 hours ) ( 3kg @ 4 hours )	3 hours	4 hours (6.5kg @ 2 hours) (10kg @ 90mins )
Max. payload	1.3kg	5kg	4kg	5kg	10kg
Max. speed	110km/h	126km/h	144km/h	110km/h	130km/h
MTOW	8.5kg	20kg	16kg	18kg	38kg
Transmission Distance	30-100km (Optional)	30-100km (Optional)	30-100km (Optional)	30-100km (Optional)	30-100km (Optional)



# Fixed Wing UAV

Picture					
<b>Wingspan</b>	5100mm	4800mm	6520mm	4200mm	6540mm
<b>Endurance</b>	6 hours @ 25 kg	10 hours (2kg @ 10 hours) (15kg @ 4 hours)	10 hours (30kg @ 6 hours)	2 hours (5kg @ 2 hours) (10kg @ 90 mins)	100 mins (30kg @ 100 mins) (50kg @ 60 mins)
<b>Max. payload</b>	45kg	15kg	40kg	10kg	50kg
<b>Max. speed</b>	144km/h	130km/h	150km/h	130km/h	130km/h
<b>MTOW</b>	100kg	65kg	160kg	30kg	120kg
<b>Transmission Distance</b>	100-200km (Optional)	100-200km (Optional)	100-200km (Optional)	50-100km (Optional)	50-100km (Optional)



+92 51 848 9492  
+92 33 9292 9263  
info@safnicsolutions.com



SAFNIC GOC Head Office  
Office # 2/2, Service Road,  
Gulberg Greens, Islamabad, Pakistan.



Canada Office:  
41 Cindy Nicholas Drive, Scarborough,  
Ontario, Canada.



China Office:  
Office # 1003, 10th Floor, Building 52,  
Banxuegang Avenue, Shenzhen City, China.

