

About Aerosys Technology

Aerosys Technology Limited

Registered in Hong Kong, 2015.

Address: Room C20, Block C, 3/F, East Sun Industrial Centre, 16 Shing Yip Street, Kwun Tong, Kowloon, Hong Kong.

Own-brand industrial UAVs for the global market; published in 10 languages on our website.

Product line covers five airframe categories: agricultural spraying, cargo transport, firefighting, facade cleaning and long-endurance inspection.

Aerosys industrial UAV
Complete industrial UAV application solutions. OEM/ODM customization supported.

Agricultural drone



AT-MAG16 16 L



AT-MAG30A 30 L



AT-MAG52 52 L



AT-MAG30B 30 L



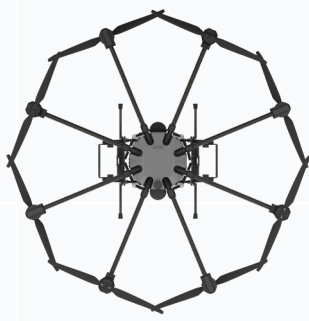
AT-MAG120 20 L



AT-MAG72 72 L



AT-MAG50 50 L / AT-MAG62 62 L



Cleaning drone



Solar Panel Cleaning drone
30~92 L



Roof and building cleaning
Built-in tank version
30~92 L



Ground
pressurized
version



AT-MTR120 120 kg | 62 min



AT-MFF120 100 kg | 25 kg x 4 drop-type fire extinguishing agent containers | 40 min



Industrial drone



AT-MIN120 120 min | 5 kg



AT-MIN210



AT-MAG series

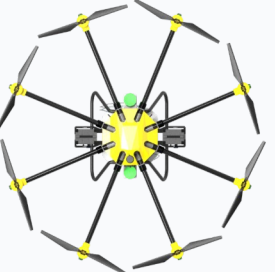
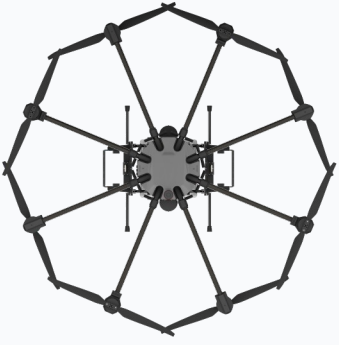


AT-MIN65 65 min | 2.5 kg

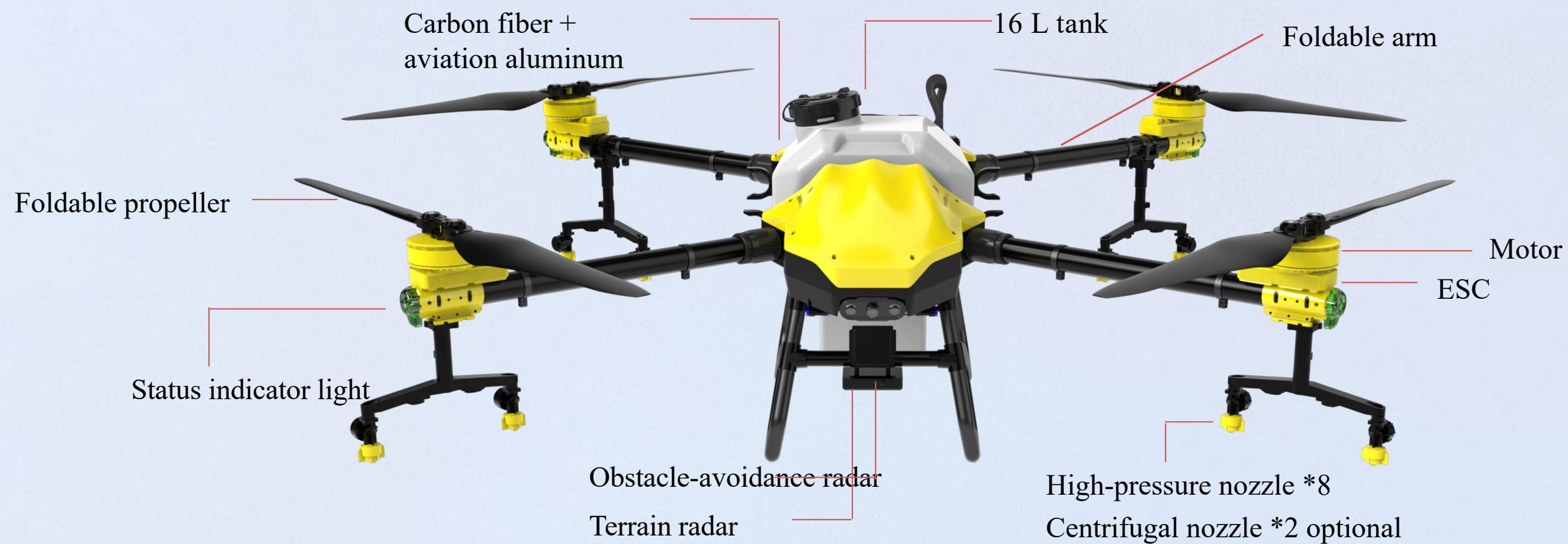
Agricultural drone

We offer a range of agricultural drones from 16L to 180L, widely used for pesticide spraying, fertilizing, seeding and feeding. Whether on small plots or large fields, flat ground, orchards or hilly terrain, our drones adapt to every working scenario. Their efficiency, stability and portability meet the diverse needs of modern agriculture.

Agricultural drone model comparison

										
	AT-MAG16	AT-MAG20	AT-MAG30A	AT-MAG52	AT-MAG72	AT-MAG30B	AT-MAG50	AT-MAG62	AT-MAG100	AT-MAG180
Capacity	16 L	20 L	30 L	52 L	72 L	30 L	50 L	62 L	100L	180L
Working efficiency	10 hm²/h	16 hm²/h	20 hm²/h	23 hm²/h	30 hm²/h	18 hm²/h	22 hm²/h	25 hm²/h	35 hm²/h	40hm²/h
Material	Carbon fiber + aviation aluminum	Carbon fiber + aviation aluminum	Carbon fiber + aviation aluminum	Carbon fiber + aviation aluminum	Carbon fiber + aviation aluminum	Carbon fiber + aviation aluminum	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	830*830*800 mm	800*860*1925 mm	990*860*2090 mm	985*685*808 mm	1240*840*872 mm	1240*840*872 mm	1010*870 *2320mm	1450*1150*1005mm
Unfolded dimensions	1300*1100*600 mm	1300*1100*600 mm	2150*2150*800 mm	3050*3050*910 mm	3920*3920*910 mm	2432*2576*775 mm	2919*3080*872 mm	2919*3080*872 mm	4605*4605*990mm	4400*4400*1005 mm
Weight (without battery)	17 kg	18 kg	21 kg	44 kg	57 kg	28 kg	34 kg	34 kg	74kg	112kg
Max takeoff weight	39.8 kg	44.8 kg	59.6 kg	113 kg	166 kg	69.1 kg	99 kg	111 kg	254kg	311kg
Nozzle	High-pressure nozzle *8 / centrifugal nozzle *2	High-pressure nozzle *8 / centrifugal nozzle *2	High-pressure nozzle *8 / centrifugal nozzle *2	High-pressure nozzle *16 / centrifugal nozzle *4	High-pressure nozzle *16 / centrifugal nozzle *4	Centrifugal nozzle*2	Centrifugal nozzle*2	Centrifugal nozzle*2	Centrifugal nozzle*4	Centrifugal nozzle*4
Spray width	4~12 m	4~12 m	4~12 m	6~15 m	8~15 m	8~15 m	8~15 m	8~15 m	8~15 m	8~15m
Endurance	5~15 min	5~15 min	5~15 min	5~15 min	5~15 min	8~28 min	7~28 min	7~28 min	8~20min	4~20min
Max flight speed	15 m/s	15 m/s	15 m/s	15 m/s	15 m/ s	15 m/s	15 m/s	15 m/s	15 m/s	15m/s
Operation mode	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual	Auto / AB point / Manual
Obstacle-avoidance radar	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade
Terrain radar	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade	Optional upgrade
360° obstacle-avoidance radar	/	/	/	/	/	Optional upgrade	Optional upgrade	Optional upgrade	/	Optional upgrade
Battery	14S 22000mAh *1	14S 22000mAh *1	14S 30000mAh *1	14S 30000mAh *2	14S 42000mAh *2	14S 30000mAh *1	18S 30000mAh *1	18S 35000mAh *1	18S 35000mAh *2	18S 35000Mah *3

AT-MAG16 (16 L) agricultural drone



Remote controller *1



Smart battery
14S 22000mAh *1



Smart charger
3200W*1



FPV camera, night
navigation light

Obstacle-avoidance radar *2

Terrain radar *1



Beginner gift kit



Toolkit



* Standard wooden crate
Upgradable to airline transit
case

AT-MAG16 model – specifications

1. Flight platform	
Folded dimensions	1010*610*575 mm
Unfolded dimensions	1300*1100*600 mm
Weight (without battery)	17 kg
Weight (with battery)	23.8 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	39.8 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	15 min (empty flight)
	5 min (full load)

3. Spraying system		
Tank	Capacity	16 L
	Type	High-pressure nozzle
Nozzle	Qty	8
	Spray width	4~12 m
	Droplet size	30~400 μm
Pump	Qty	1
	Max flow rate	8 L/min

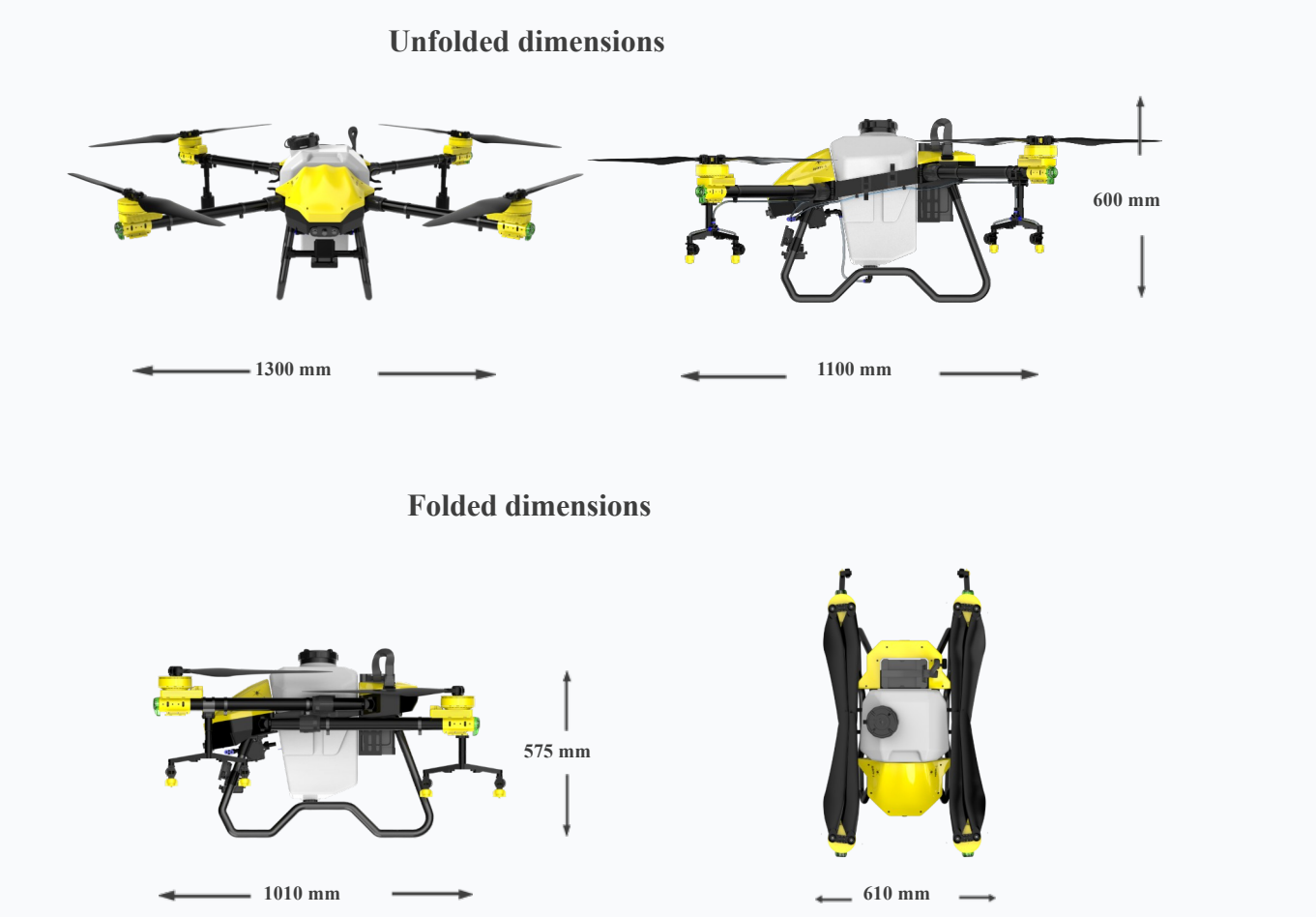
4. Spreading system	
Capacity	33 L
Waterproof rating	IP67
Applicable particle size	1~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	21.5 kg
Foldable propeller	Model	34 110
ESC	Max continuous working current	100 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series



9. Power system		
Smart battery	Qty	1
	Model	14S 22000mAh
	Rated capacity	60.9V / 50A
	Dimensions	173*110*243 mm
	Weight	6.8 kg
Smart charger	Charging temperature	-40°C~65°C
	Qty	1
	Charging input	110V-240V 3200W
	Charging output	50A (single-channel charging)
	Rated power	3200W

AT-MAG20 (20 L) agricultural drone



Remote controller *1



Smart battery
14S 22000mAh *1



Smart charger
3200W *1



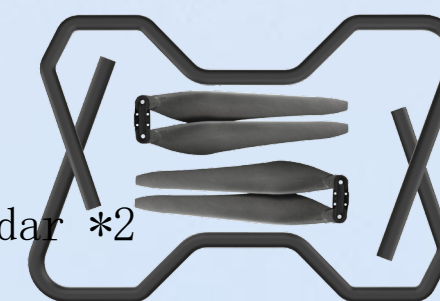
Obstacle-avoidance radar *2



Terrain radar *1



FPV camera, night
navigation light



Beginner gift kit



Toolkit



* Standard wooden crate
Upgradable to airline transit
case

AT-MAG20 model – specifications

1. Flight platform	
Folded dimensions	1010*610*575 mm
Unfolded dimensions	1300*1100*600 mm
Weight (without battery)	18 kg
Weight (with battery)	24.8 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	44.8 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	15 min (empty flight)
	5 min (full load)

3. Spraying system		
Tank	Capacity	20 L
	Type	High-pressure nozzle
Nozzle	Qty	8
	Spray width	4~12 m
	Droplet size	30~400 μm
Pump	Qty	1
	Max flow rate	8 L/min

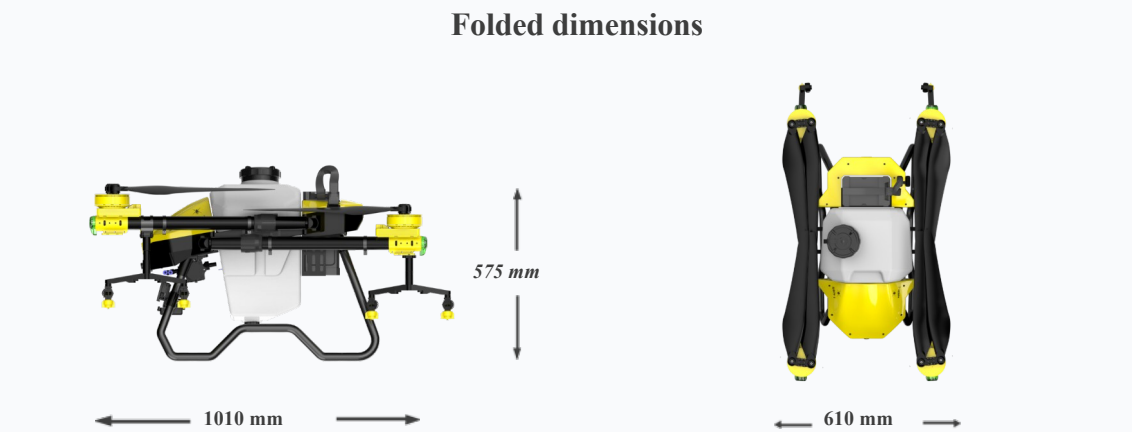
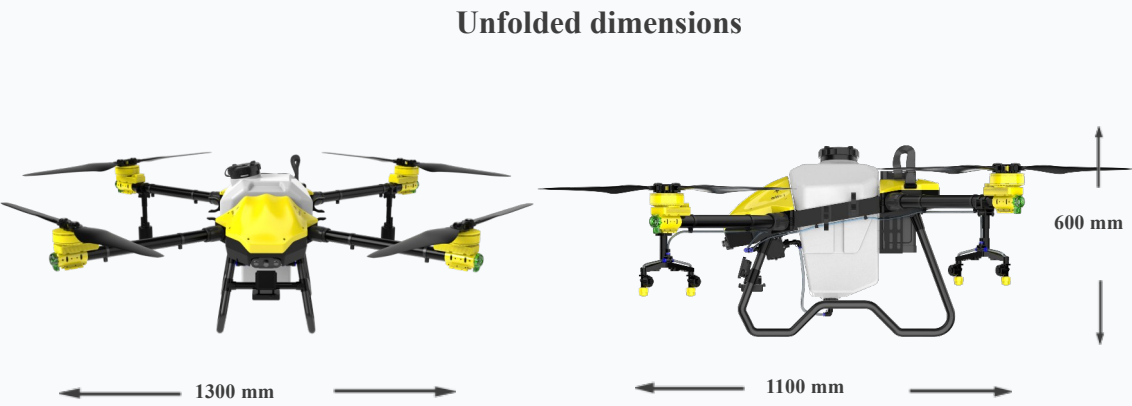
4. Spreading system	
Capacity	33 L
Waterproof rating	IP67
Applicable particle size	1~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	29 kg
Foldable propeller	Model	36 120
ESC	Max continuous working current	110 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series



9. Power system		
Smart battery	Qty	1
	Model	14S 22000mAh
	Rated capacity	60.9V / 50A
	Dimensions	173*110*243 mm
	Weight	6.8 kg
	Charging temperature	-40℃~65℃
Smart charger	Qty	1
	Charging input	110V-240V 3200W
	Charging output	50A (single-channel charging)
	Rated power	3200W

AT-MAG30A (30 L) agricultural drone

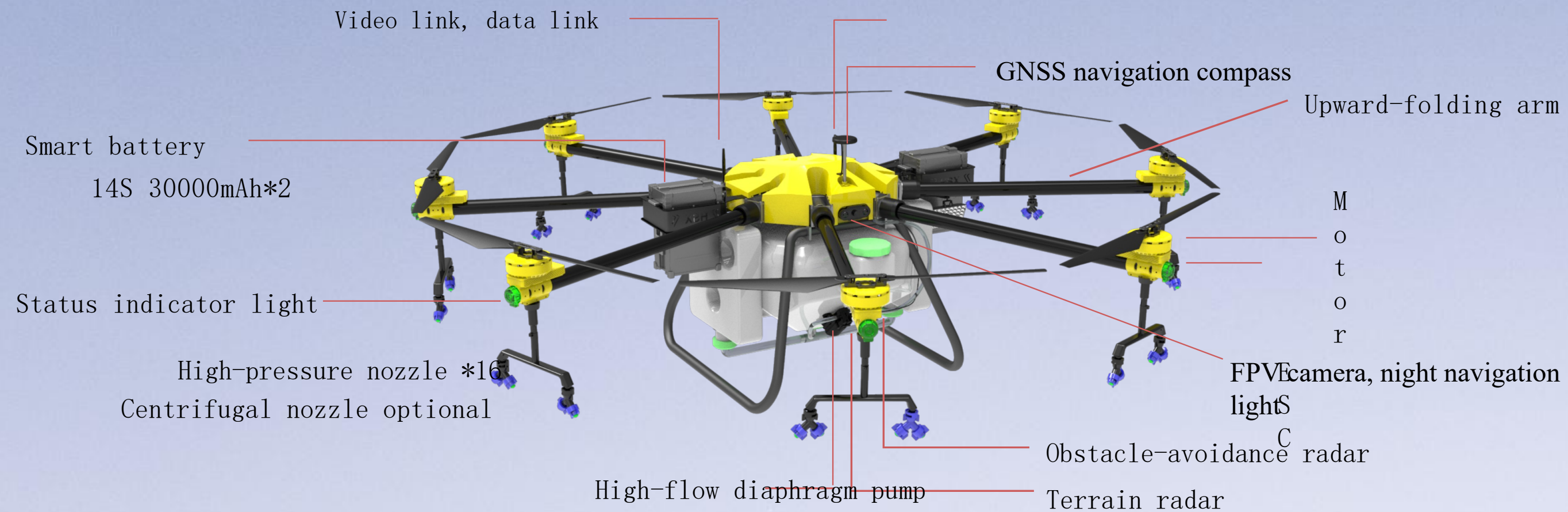


Flight platform	
Structural design	4-axis
Folded dimensions	830*830*800 mm
Unfolded dimensions	2150*2150*800 mm
Weight	21 kg
Max takeoff weight	59.6 kg
Max liquid capacity	30 L
Waterproof rating	IP67
Battery	14S 30000mAh smart battery *1
Charger	110V-240V
Aircraft engine life	≥ 100,000 h
Aircraft airframe life	≥ 10 years

Flight data	
Max flight altitude	≤ 20 m
Max range	5 km
Flight time	5~15 min
Max flight speed	15 m/s
Obstacle-avoidance radar	Supported
Terrain radar	Supported
Flight mode	Auto / AB point / Manual
Automatic functions	Automatic route planning, altitude hold, position hold, return to home, resume spraying from breakpoint

Spraying system		
Tank	Capacity	30 L
Nozzle	Type	High-pressure nozzle
	Qty	8
	Spray width	4~12 m
Pump	Qty	1
	Max flow rate	8 L/min
Max working efficiency		20 hm²/h
GNSS		GPS/Galileo / BDS / Glonass
Remote controller		5.5-inch high-brightness screen

AT-MAG52 (52 L) agricultural drone



Remote controller
*1



Smart battery
14S 30000mAh *2



Smart charger*1



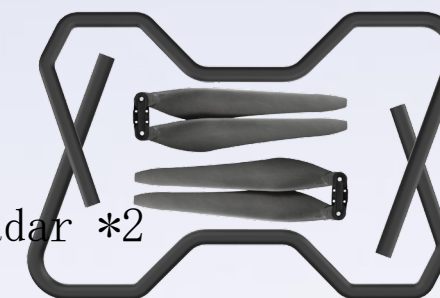
Obstacle-avoidance radar *2



Terrain radar *1



FPV camera, night
navigation light



Beginner gift kit



Tool
kit



* Standard wooden crate
Upgradable to airline transit
case

AT-MAG52 model - specifications

1. Flight platform	
Folded dimensions	800*860*1925 mm
Unfolded dimensions	3050*3050*910 mm
Weight (without battery)	44 kg
Weight (with battery)	61 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	113 kg
Max flight speed	15 m/s
Max flight altitude	20 m
Hover time	15 min (empty flight)
	5 min (full load)

3. Spraying system		
Tank	Capacity	52 L
	Type	High-pressure nozzle
Nozzle	Qty	16
	Spray width	6~16 m
	Droplet size	30~400 μm
Pump	Qty	2
	Max flow rate	16 L/min

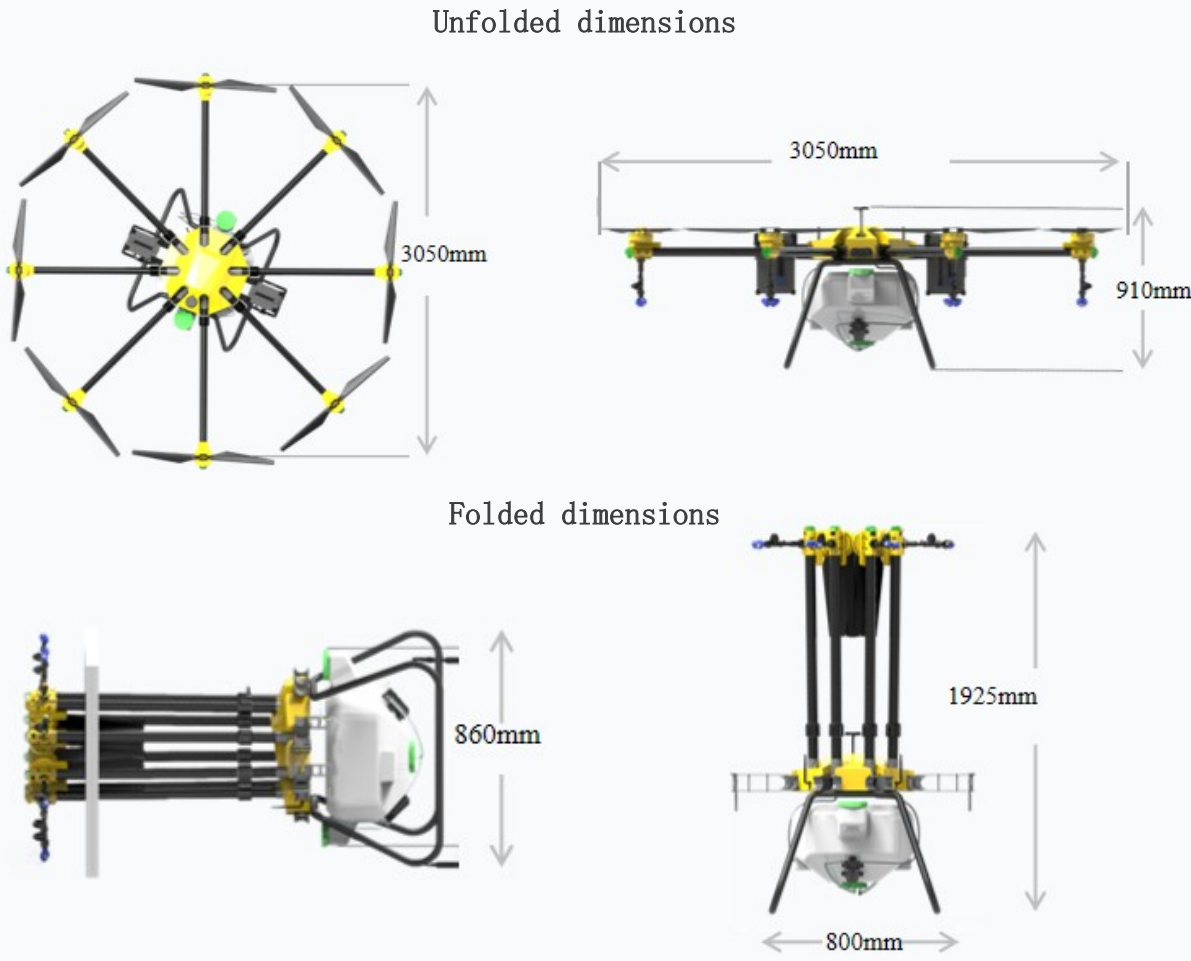
4. Spreading system	
Capacity	52 L
Waterproof rating	IP67
Applicable particle size	1~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	29 kg
Foldable propeller	Model	36 120
ESC	Max continuous working current	110 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

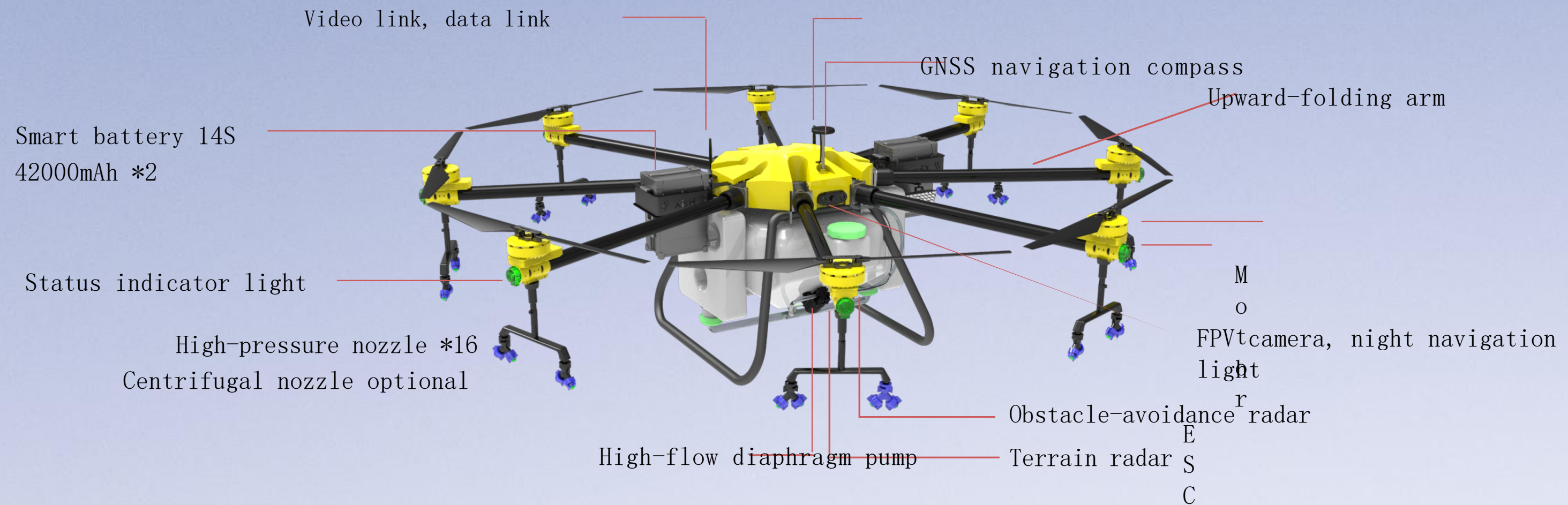
7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series



9. Power system		
Smart battery	Qty	2
	Model	14S 30000mAh *2
	Rated capacity	60.9V / 60A
	Dimensions	175*110*290 mm
	Weight	8.65kg *2
	Charging temperature	-40℃~65℃
Smart charger	Qty	1
	Charging input	110V-240V 3200w
	Charging output	60A (single-channel charging)
	Rated power	3200w

AT-MAG72 (72 L) agricultural drone



Remote controller
*1



Smart battery
14S 42000mAh *2



Smart charger*1



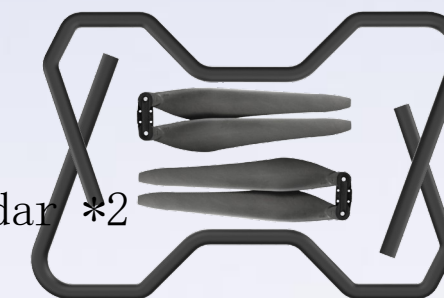
Obstacle-avoidance radar *2



Terrain radar *1



FPV camera, night
navigation light



Beginner gift kit



Tool kit



* Standard wooden crate
Upgradable to airline transit
case

AT-MAG72 model - specifications

1. Flight platform	
Folded dimensions	990*860*2090 mm
Unfolded dimensions	3920*3920*910 mm
Weight (without battery)	57 kg
Weight (with battery)	84 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	166 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	15 min (empty flight)
	5 min (full load)

3. Spraying system		
Tank	Capacity	72 L
	Type	High-pressure nozzle
Nozzle	Qty	16
	Spray width	8~18 m
	Droplet size	30~400 μm
Pump	Qty	2
	Max flow rate	16 L / min

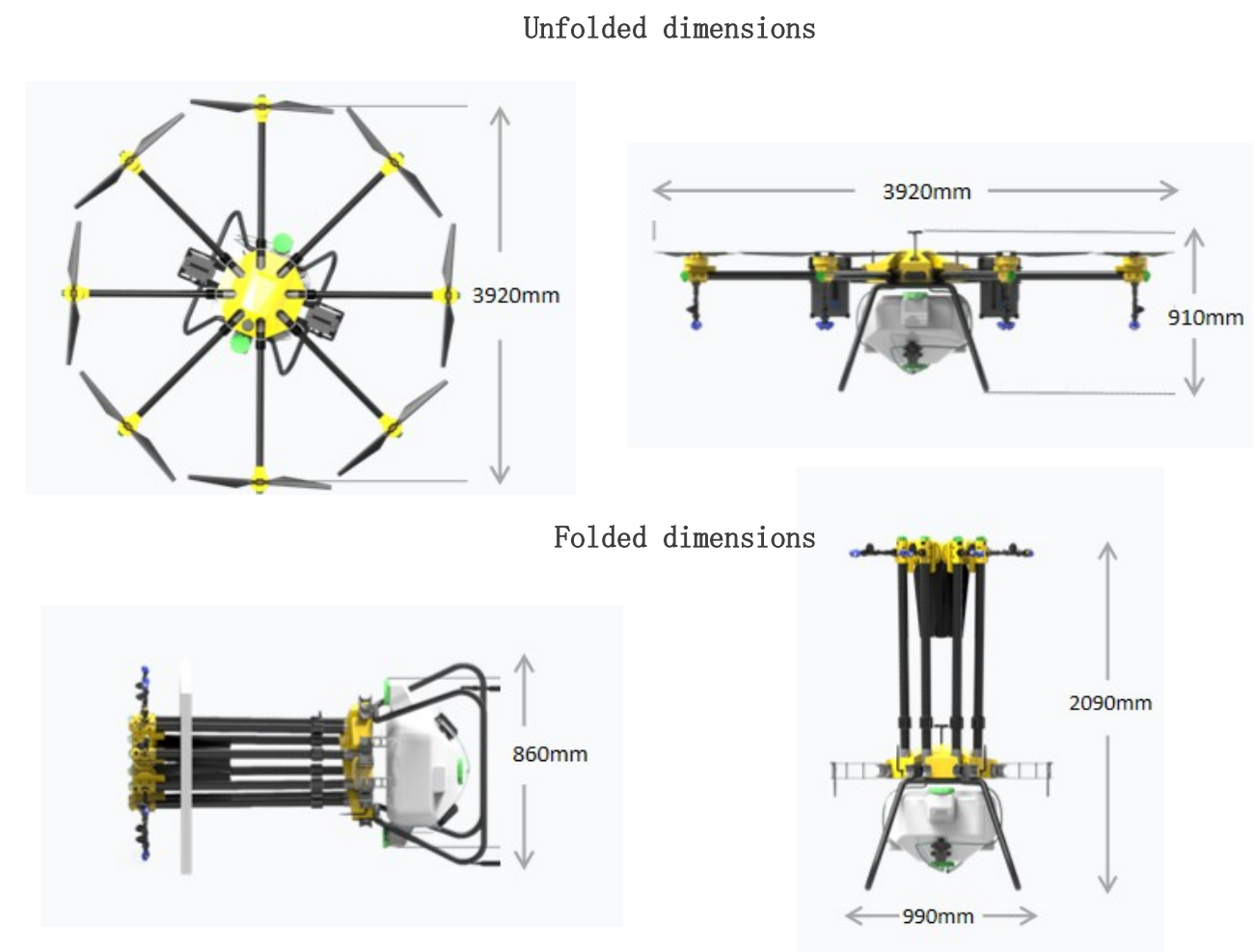
4. Spreading system	
Capacity	72 L
Waterproof rating	IP67
Applicable particle size	1~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	35 kg
Foldable propeller	Model	40 132
ESC	Max continuous working current	145 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

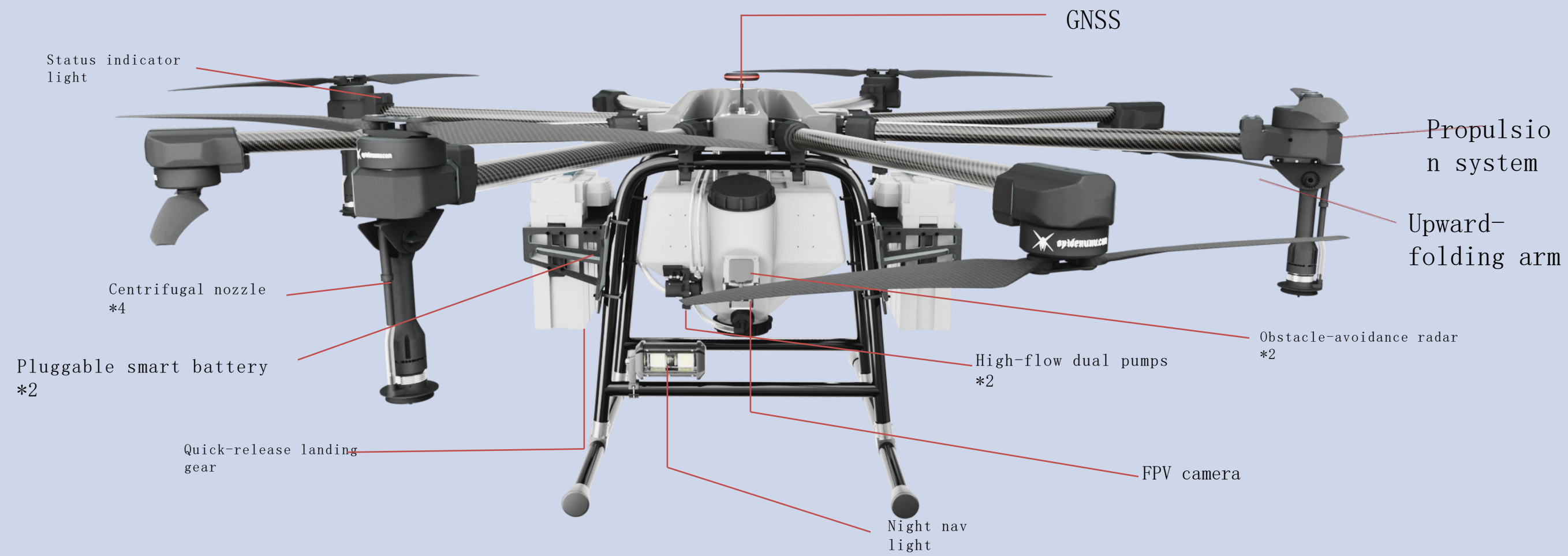
8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series



9. Power system		
Smart battery	Qty	2
	Model	14S 42000mAh*2
	Rated capacity	60.9V / 60A
	Dimensions	175*110*290 mm
	Weight	13.5 kg *2
Smart charger	Charging temperature	-40°C~65°C
	Qty	1
	Charging input	110V-240V 3000w
	Charging output	60A (single-channel charging)
	Rated power	3000w

AT-MAG100 (100L) spraying & spreading agricultural drone

80L Liquid capacity 100kg Solid payload weight 35km/h Working efficiency 120 kg Rated payload



1. Flight platform	
Folded dimensions	1010*870*2320mm
Unfolded dimensions	3350*3350*990 mm (propellers folded) 4605*4605*990 mm (propellers unfolded)
Weight (without battery)	74kg
Weight (with battery)	104 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	254 kg
Max flight speed	15 m/s
Hover time	20 min (empty flight)
	8min (full load)

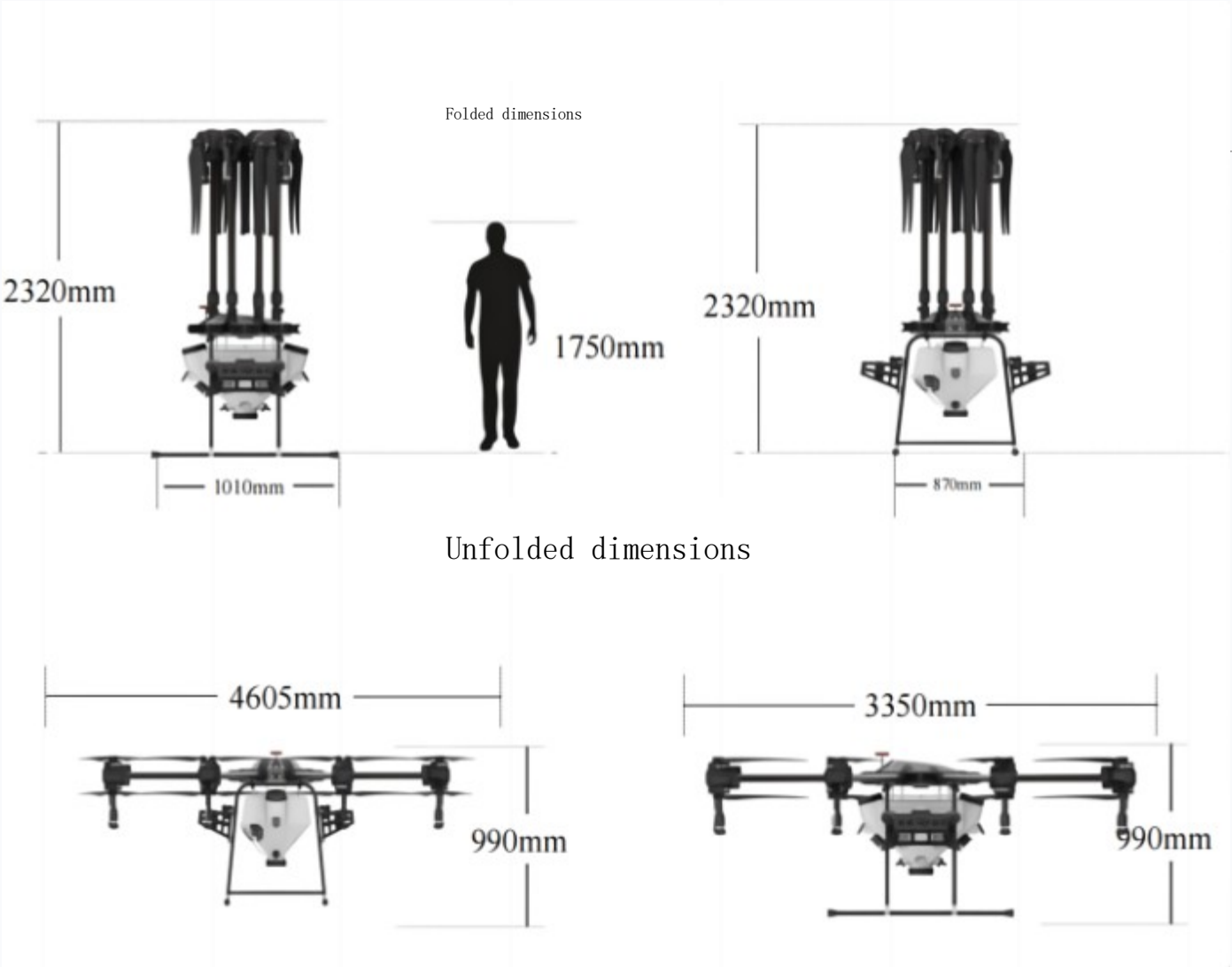
3. Spraying system		
Tank	Capacity	100 L
Nozzle	Nozzle type	Centrifugal nozzle
	Qty	4
	Spray width	8~15m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	24 L / min

4. Spreading system	
Capacity	120 kg
Waterproof rating	IP67
Applicable particle size	1~ 10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	56 kg
Foldable propeller	Model	5620
ESC	Max continuous working current	180 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

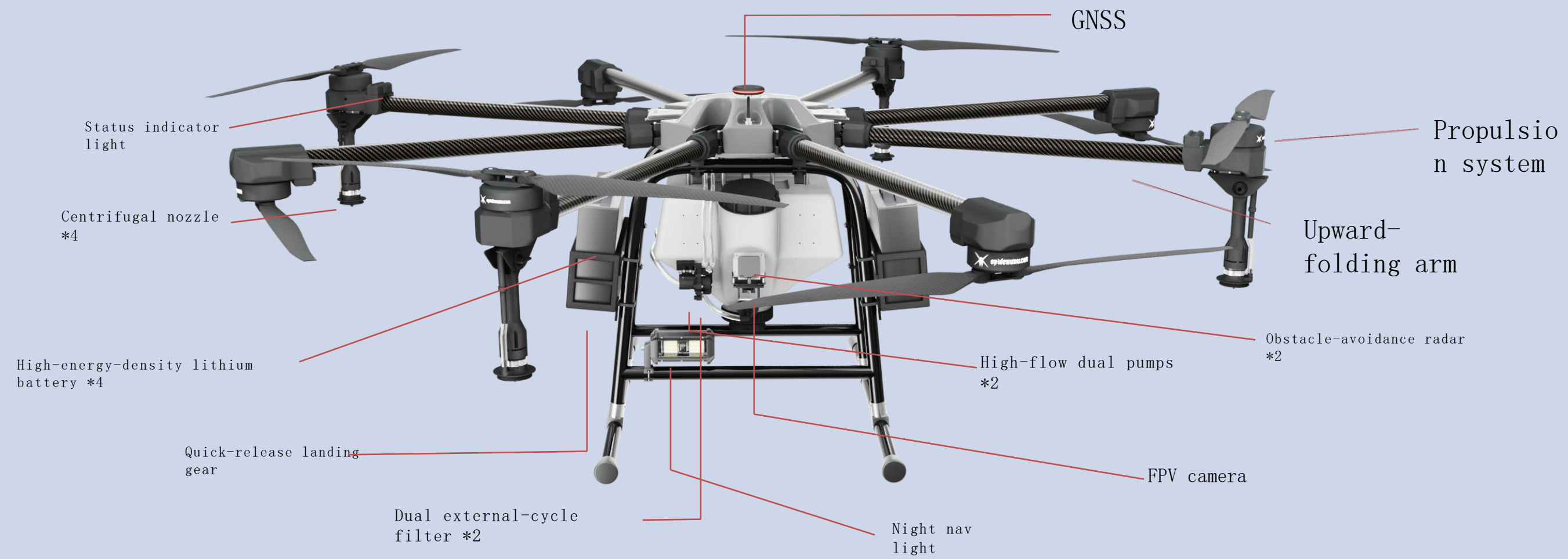
7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights
8. Remote controller	
Model	G12 (Android OS)
Remote controller	5.5-inch Screen, 1920×1080, 1,000cd/m²
Max signal range (no interference / no obstacles)	5~10km
Operating frequency	2,400Mhz/5800Mhz
Dimensions	194.3*142*94.9 mm
Charging port	TYPE-C
Operating time	4~8 H
Compatible devices	AT-MAG100



9. Power system		
Smart battery	Qty	1 set (2 pcs)
	Model	18S 35000mAh *2
	Weight	16.2 kg *2
	Charging temperature	-40°C~65°C
Smart charger	Qty	1
	Charging input	110V-240V
	Charging output	120A
	Rated power	7200W

AT-MAG100 (100L) long-endurance agricultural drone

100L Liquid capacity 100kg Solid payload weight 35hm²/h Working efficiency 120 kg Rated payload



Remote controller, high-energy-density lithium battery *4, smart charger *2



Obstacle-avoidance radar *2



Terrain radar



Fill light*1



FPV camera



Pump *2



Spreader (optional)



Handheld mapping box



Tool box



Centrifugal nozzle *4



Airline transit case (optional)

1. Flight platform	
Folded dimensions	1010*870*2320mm
Unfolded dimensions	3350*3350*990 mm (propellers folded) 4605*4605*990 mm (propellers unfolded)
Weight (without battery)	74kg
Weight (with battery)	104 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	254 kg
Max flight speed	15 m/s
Hover time	62 min (empty flight)
	20 min (full load)

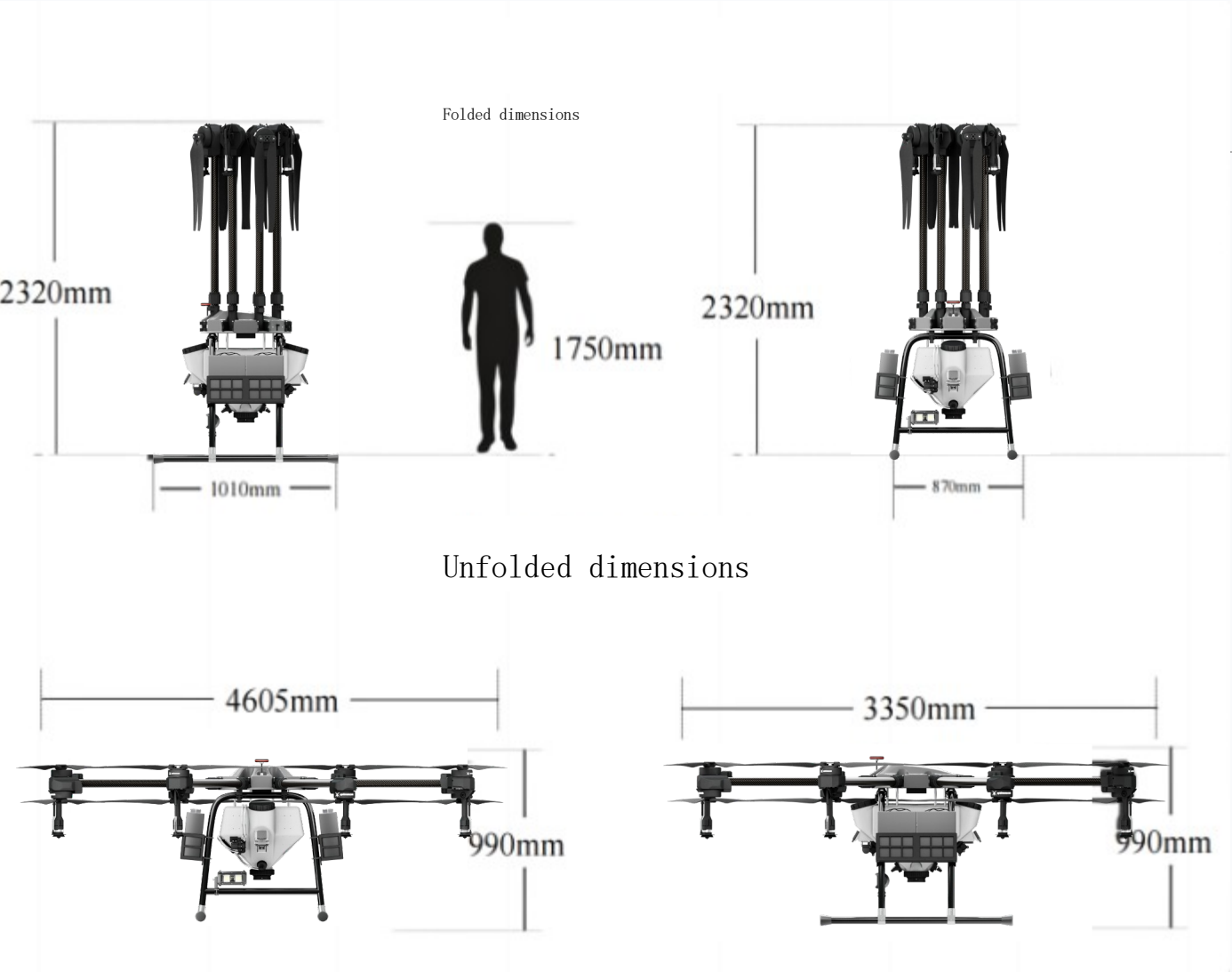
3. Spraying system		
Tank	Capacity	100 L
Nozzle	Nozzle type	Centrifugal nozzle
	Qty	4
	Spray width	8~15m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	24 L / min

4. Spreading system	
Capacity	120 kg
Waterproof rating	IP67
Applicable particle size	1~ 10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	56 kg
Foldable propeller	Model	5620
ESC	Max continuous working current	180 A

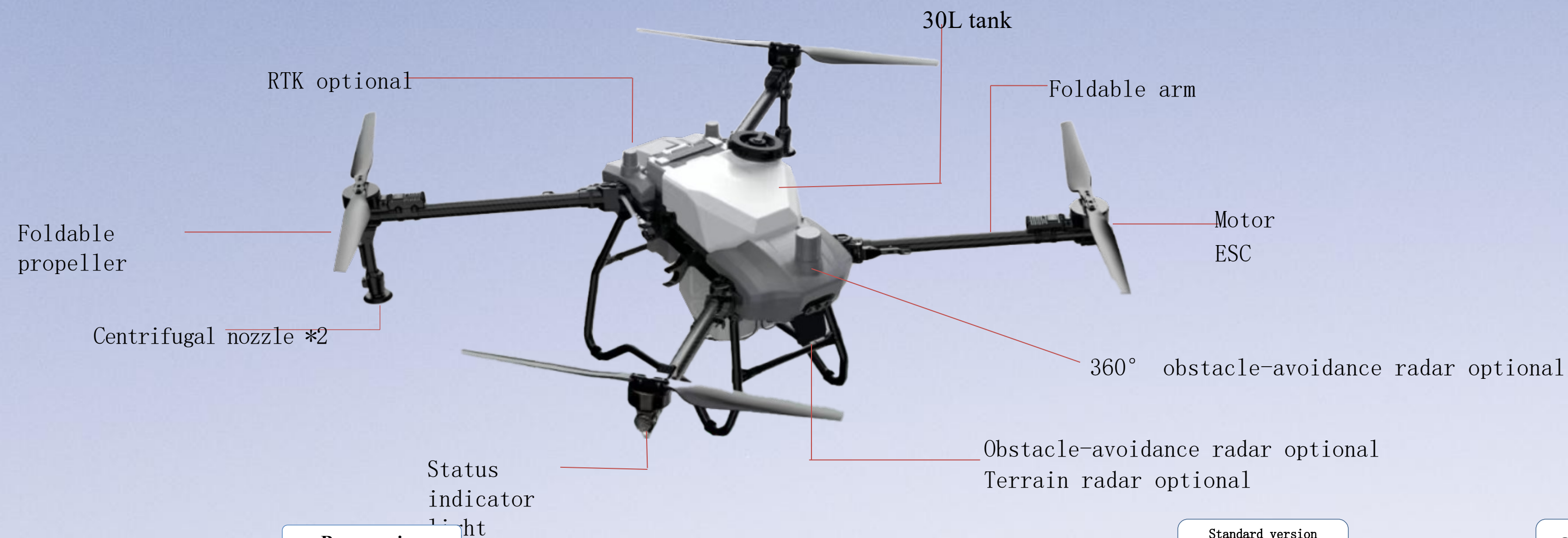
6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°

7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights
8. Remote controller	
Model	G12 (Android OS)
Remote controller	5.5-inch Screen, 1920×1080, 1,000cd/m²
Max signal range (no interference / no obstacles)	5~10km
Operating frequency	2,400Mhz/5800Mhz
Dimensions	194.3*142*94.9 mm
Charging port	TYPE-C
Operating time	4~8 H
Compatible devices	AT-MAG100



9. Power system		
Smart battery	Qty	1 set (4 pcs)
	Model	18S 40000mAh *4
	Dimensions	222*104*245 mm
	Weight	11.2 kg*4
Smart charger	Charging temperature	-40°C~65°C
	Qty	2
	Charging input	110V-240V
	Charging output	60A (single-channel charging)
	Rated power	3000W

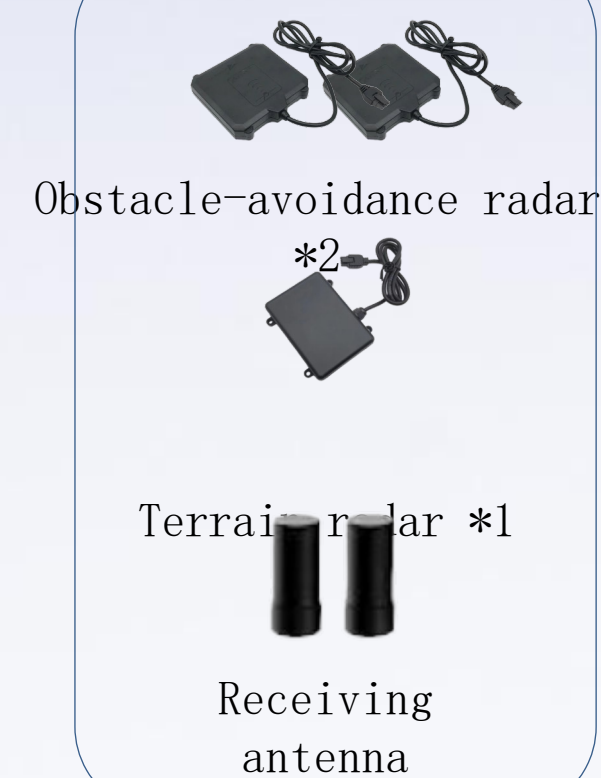
AT-MAG30B agricultural drone



Base version



Standard version Additional configuration



High-config version Additional configuration



AT-MAG30B model - specifications

1. Flight platform	
Folded dimensions	985*685*808 mm
Unfolded dimensions	2432*2576*775 mm
Weight (without battery)	28 kg
Weight (with battery)	39.1 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	69.1 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	28 min (empty flight)
	8 min (full load)

3. Spraying system		
Tank	Capacity	30 L
Nozzle	Type	Centrifugal nozzle
	Qty	2
	Spray width	8~20 m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	20 L / min

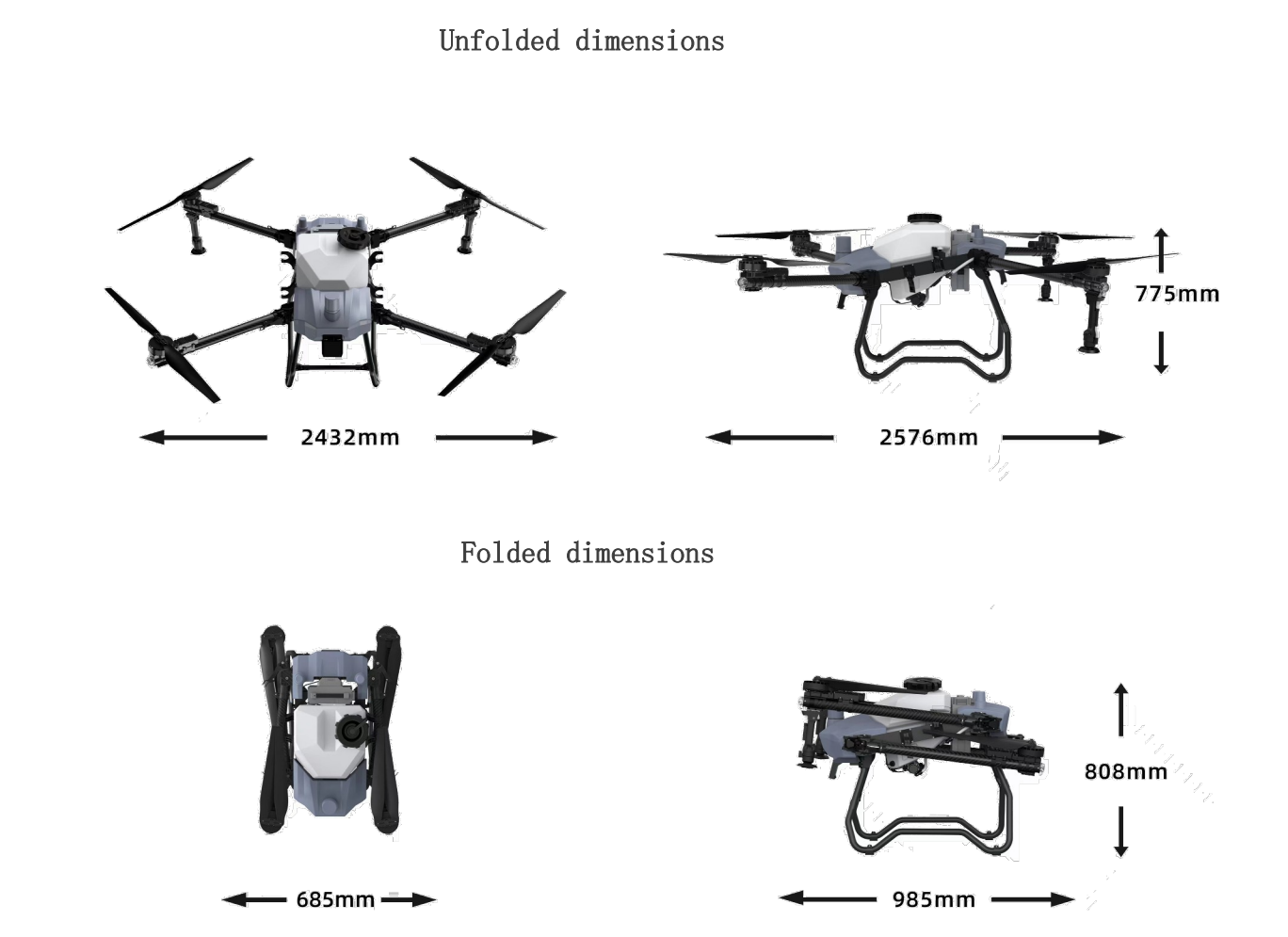
4. Spreading system	
Capacity	42 L
Waterproof rating	IP67
Applicable particle size	0.5~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	36 kg
Foldable propeller	Model	4314
ESC	Max continuous working current	145 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°
360° obstacle-avoidance radar	Qty	1
	Obstacle-avoidance angle (upward)	360°

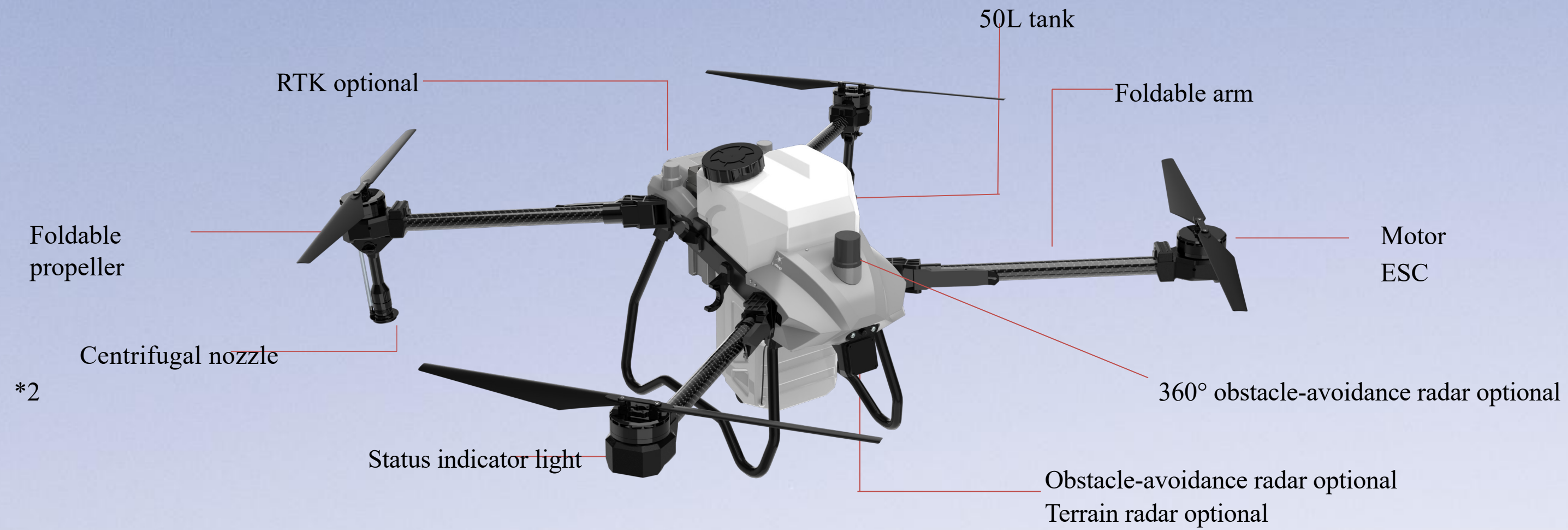
7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series

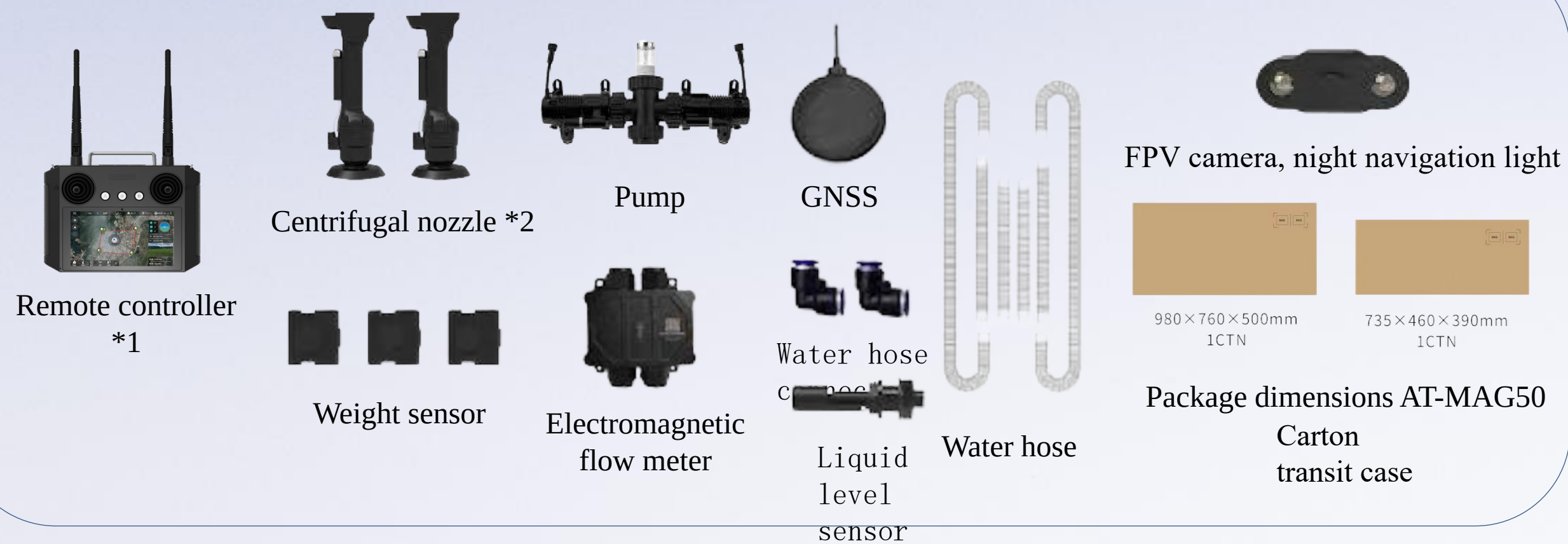


9. Power system		
Smart battery	Qty	1
	Model	14S 30000mAh
	Rated capacity	60.9V / 100A
	Dimensions	245*140*320 mm
	Weight	11.1 kg
	Charging temperature	-40°C~65°C
Smart charger	Qty	1
	Charging input	110V-240V 7200w
	Charging output	100A (single-channel charging)
	Rated power	7200W

AT-MAG50 agricultural drone



Base version



Standard version Additional configuration



High-config version Additional configuration



AT-MAG50 model - specifications

1. Flight platform	
Folded dimensions	1240*840*872 mm
Unfolded dimensions	2919*3080*872 mm
Weight (without battery)	34 kg
Weight (with battery)	49 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	99 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	28 min (empty flight)
	7 min (full load)

3. Spraying system		
Tank	Capacity	50 L
Nozzle	Type	Centrifugal nozzle
	Qty	2
	Spray width	8~20 m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	20 L / min

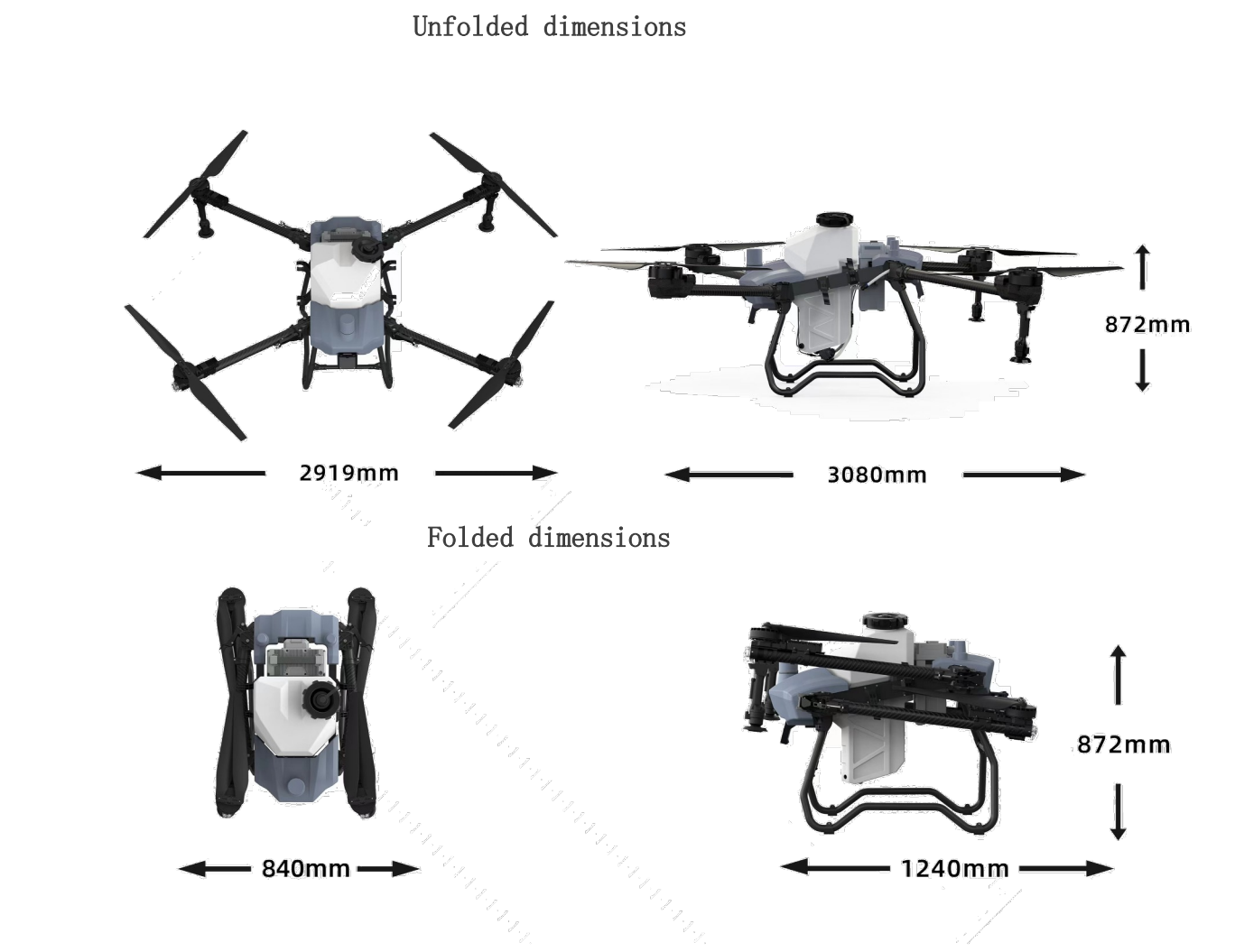
4. Spreading system	
Capacity	70 L
Waterproof rating	IP67
Applicable particle size	0.5~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	56 kg
Foldable propeller	Model	5620
ESC	Max continuous working current	160 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°
360° obstacle-avoidance radar	Qty	1
	Obstacle-avoidance angle (upward)	360°

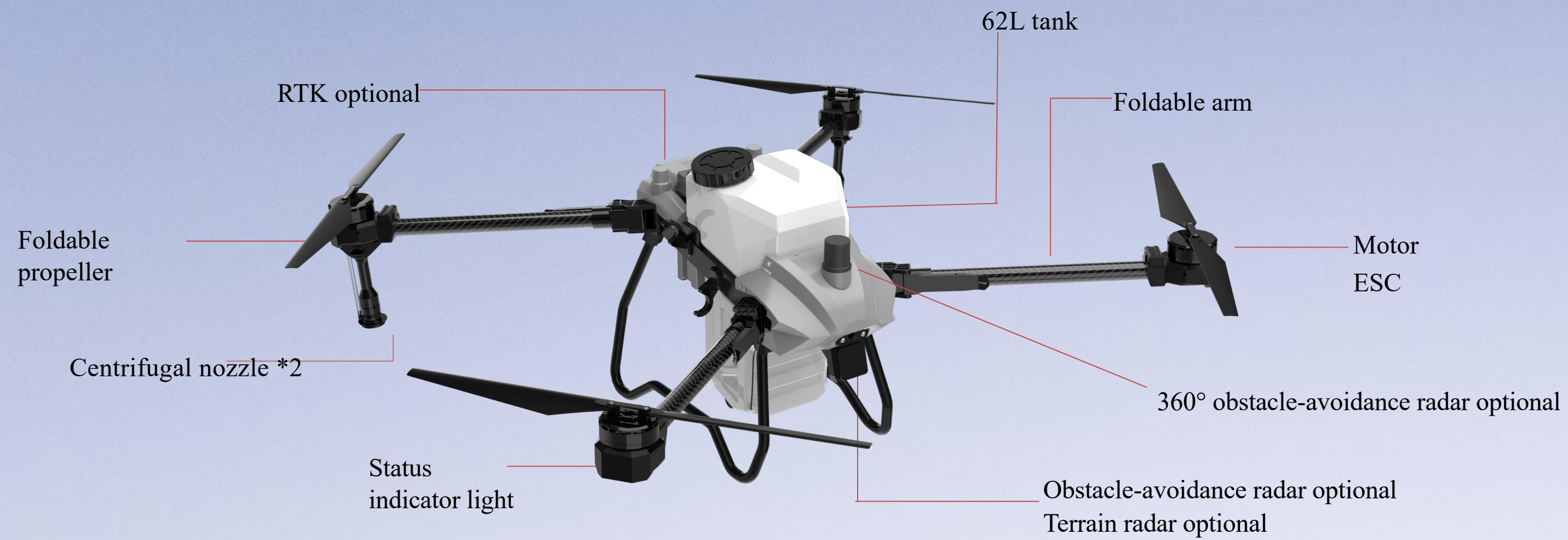
7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series

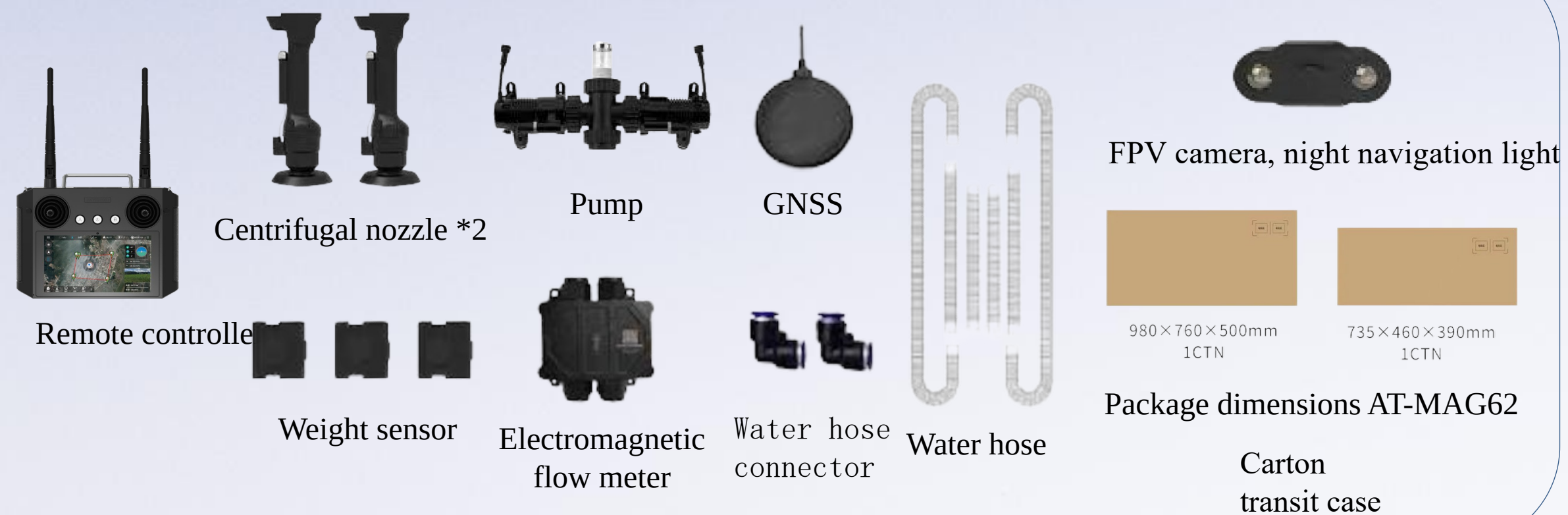


9. Power system		
Smart battery	Qty	1
	Model	18S 30000mAh
	Rated capacity	78.3V / 120A
	Dimensions	275*120*330 mm
	Weight	15 kg
	Charging temperature	-40℃~65℃
Smart charger	Qty	1
	Charging input	110V-240V
	Charging output	120A (single-channel charging)
	Rated power	7200w

AT-MAG62 agricultural drone



Base version



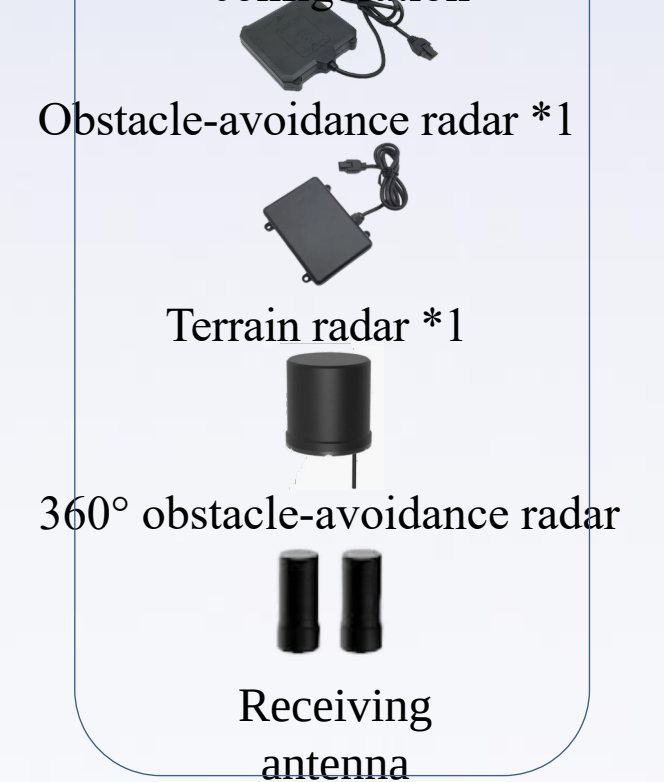
Standard version

Additional configuration



High-config version

Additional configuration



AT-MAG62 model - specifications

1. Flight platform	
Folded dimensions	1240*840*872 mm
Unfolded dimensions	2919*3080*872 mm
Weight (without battery)	34 kg
Weight (with battery)	49 kg
Waterproof rating	IP67

2. Flight data	
Max takeoff weight	111 kg
Max flight speed	15 m/s
Max flight altitude	≤ 20 m
Hover time	28 min (empty flight)
	7 min (full load)

3. Spraying system		
Tank	Capacity	62 L
Nozzle	Type	Centrifugal nozzle
	Qty	2
	Spray width	8~20 m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	20 L / min

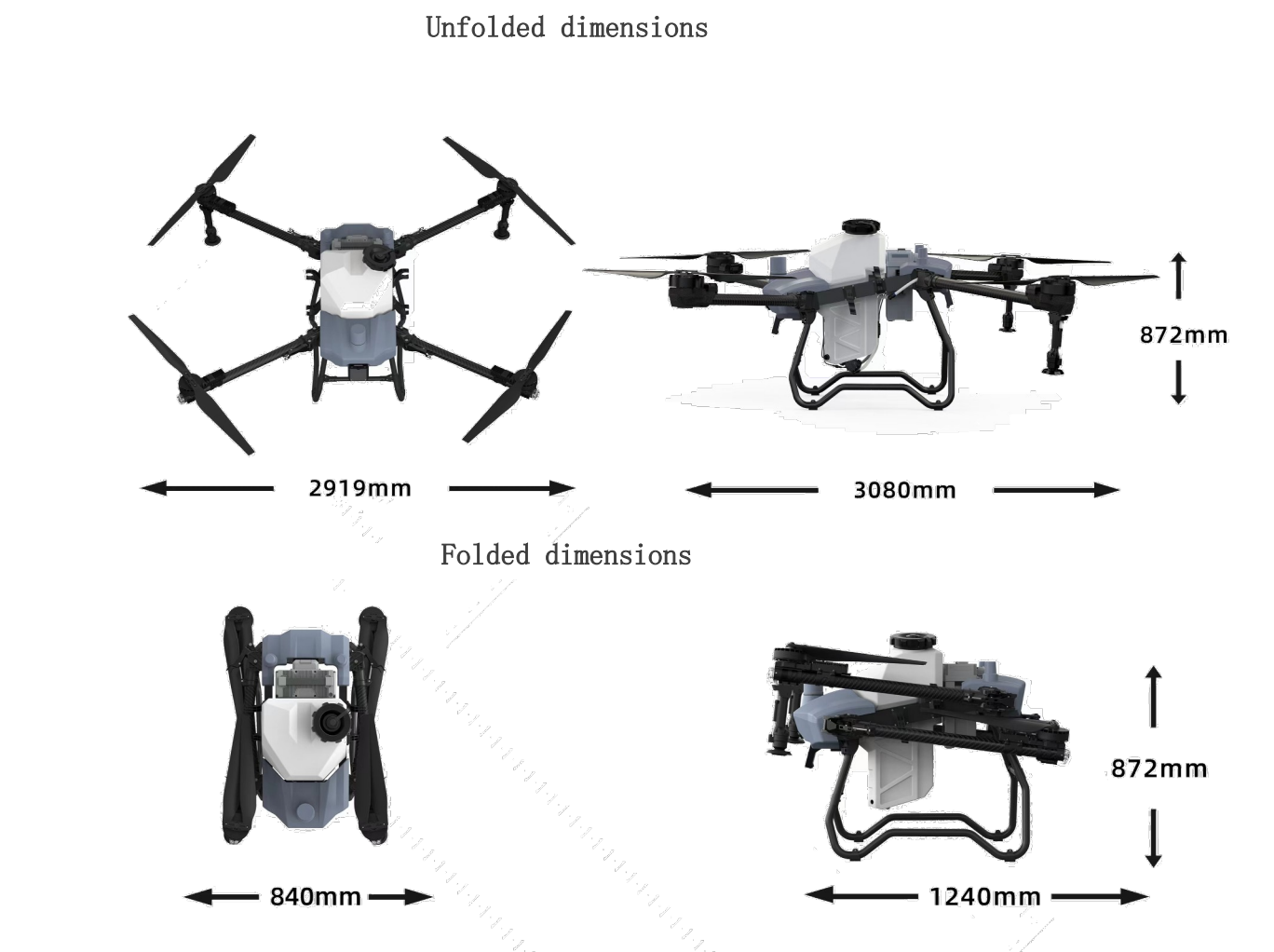
4. Spreading system	
Capacity	70 L
Waterproof rating	IP67
Applicable particle size	0.5~10 mm

5. Propulsion system		
Motor	Max thrust (per motor)	56 kg
Foldable propeller	Model	5620
ESC	Max continuous working current	180 A

6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°
360° obstacle-avoidance radar	Qty	1
	Obstacle-avoidance angle (upward)	360°

7. Camera	
Type	HD FPV camera
Video resolution	1920*1080 px
Night navigation	High-brightness night flight lights

8. Remote controller	
Model	H12 (Android OS)
Remote controller	5.5-inch screen, 1920×1080 / 1000cd/m²
Max signal range (no interference / no obstacles)	5 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MAG16, AT-MAG20, AT-MAG52, AT-MAG72, AT-MAG series



9. Power system		
Smart battery	Qty	1
	Model	18S 35000mAh
	Rated capacity	78.3V / 120A
	Weight	16.2 kg
	Charging temperature	-40°C~65°C
Smart charger	Qty	1
	Charging input	100V-240V
	Charging output	120A (single-channel charging)
	Rated power	7200w

AT-MAG180 agricultural drone

180L

Liquid capacity

210L

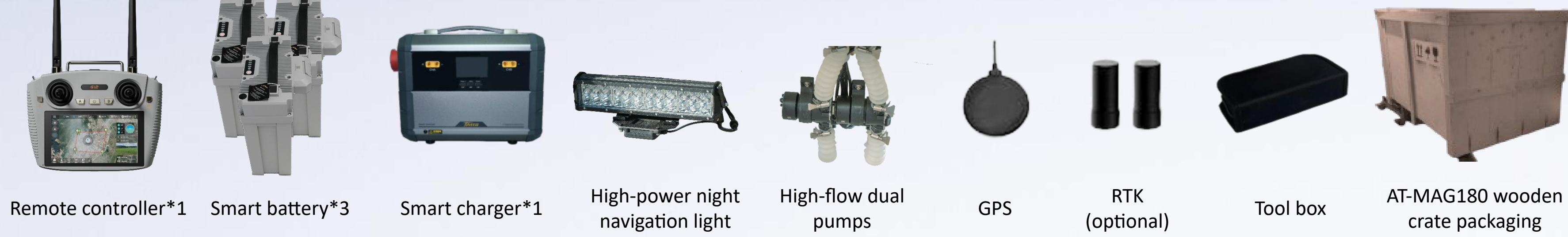
Solid material capacity

40hm²/h

Working efficiency

200 kg

Rated payload



Remote controller*1

Smart battery*3

Smart charger*1

High-power night navigation light

High-flow dual pumps

GPS

RTK (optional)

Tool box

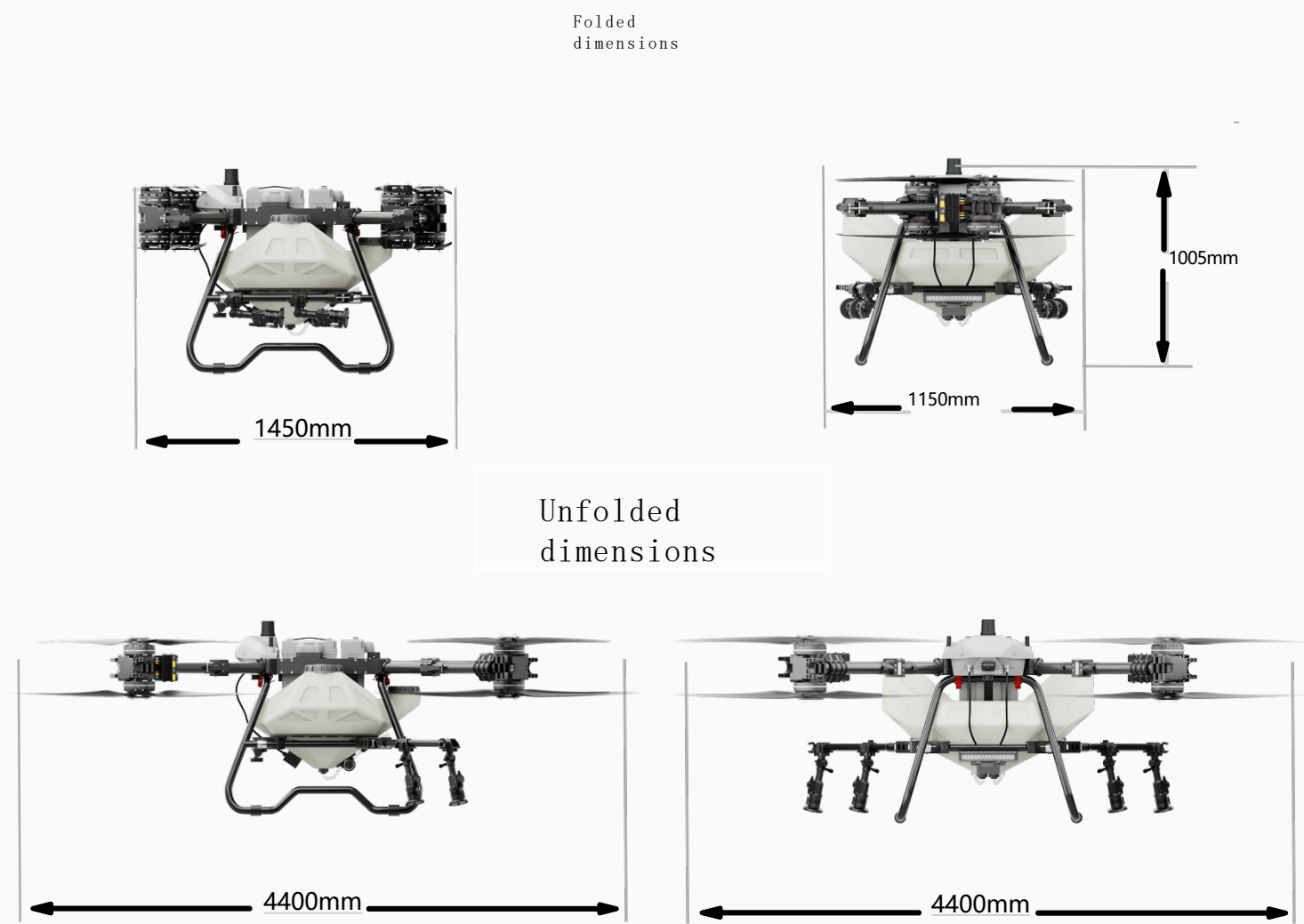
AT-MAG180 wooden crate packaging

1. Flight platform	
Folded dimensions	1450*1150*1005mm
Unfolded dimensions	2800*2800*1005 mm (propellers folded) 4400*4400*1005 mm (propellers unfolded)
Weight (without battery)	112kg
Weight (with battery)	161kg
Max takeoff weight	311kg
Max flight speed	15 m/s
Hover time	20 min (empty flight)
	4min (full load)

3. Spraying system		
Tank	Capacity	180 L
Nozzle	Nozzle type	Centrifugal nozzle
	Qty	4
	Spray width	8~15m
	Droplet size	30~500 μm
Pump	Qty	2
	Max flow rate	60L / min

4. Spreading system	
Capacity	200 kg
Waterproof rating	IP67
Applicable particle size	1~10 mm

5. Propulsion system		
Motor	Max thrust (per axis)	135 kg
ESC	Max continuous allowable current	300 A
	Max allowable voltage (18S lithium battery)	78.3V
6. Obstacle avoidance system		
Front/rear obstacle-avoidance radar	Qty	2
	Safe obstacle-avoidance relative altitude	≥ 2 m
	Safe obstacle-avoidance relative speed	≤ 8 m/s
Terrain radar	Qty	1
	Max slope (flight speed ≤2m/s)	45°
7. Camera		
Type	FPV wide-angle image-stabilized camera	
Video resolution	1280*720 px	
Night navigation	High-brightness night flight lights	
8. Remote controller		
Model	G12(Android OS)	
Remote controller	5.5-inch Screen, 1920 × 1080, 1,000cd/m²	
Max signal range (no interference / no obstacles)	5~10km	
Operating frequency	2,400Mhz/5800Mhz	
Dimensions	194.3*142*94.9 mm	
Charging port	TYPE-C	
Operating time	4~8 H	
Compatible devices	AT-MAG / AT-MTR / AT-MFF	



9. Power system		
Smart battery	Qty	1 set (3 pcs)
	Model	18S 35000Mah *3
	Dimensions	275*120*330 mm
	Weight	16.2 kg *3
Smart charger	Charging temperature	-40°C~65°C
	Qty	1
	Charging input	110V-240V
	Charging output	120A
	Rated power	7200W

AT-MTR150 cargo drone (custom battery)

150kg Rated payload	200kg Max payload	45min Flight time	46.5km Max range
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Remote controller*1	In-house flight controller	Custom battery*4	Custom charger*1	FPV HD camera	Payload devices	GPS	RTK	Tool box	AT-MTR150 wooden crate packaging
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1. Flight platform	
Folded dimensions	1450*1150*1005mm
Unfolded dimensions	2800*2800*1005 mm (propellers folded) 4400*4400*1005 mm (propellers unfolded)
Weight (without battery)	88kg
Weight (with battery)	132kg
Waterproof rating	IP67
2. Flight data	
Max takeoff weight	333 kg
Max flight speed	20 m/s
Max payload weight	200 kg
Rated payload weight	150 kg

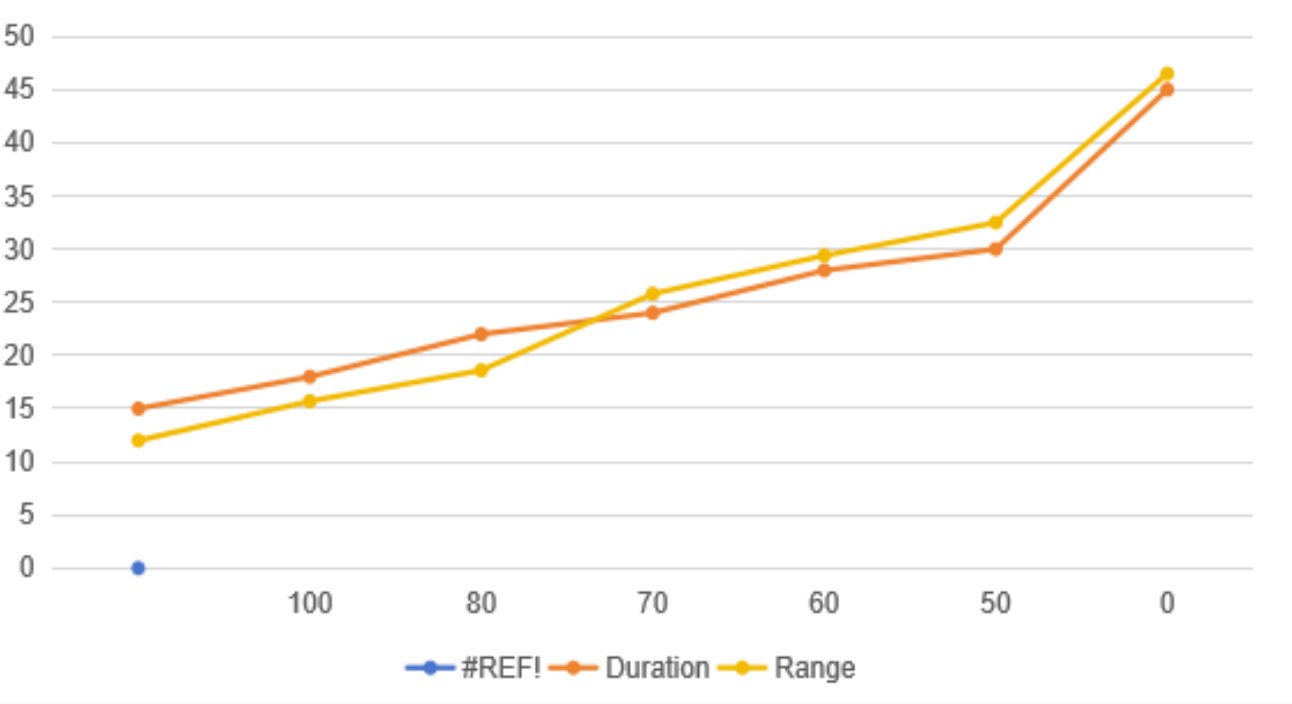
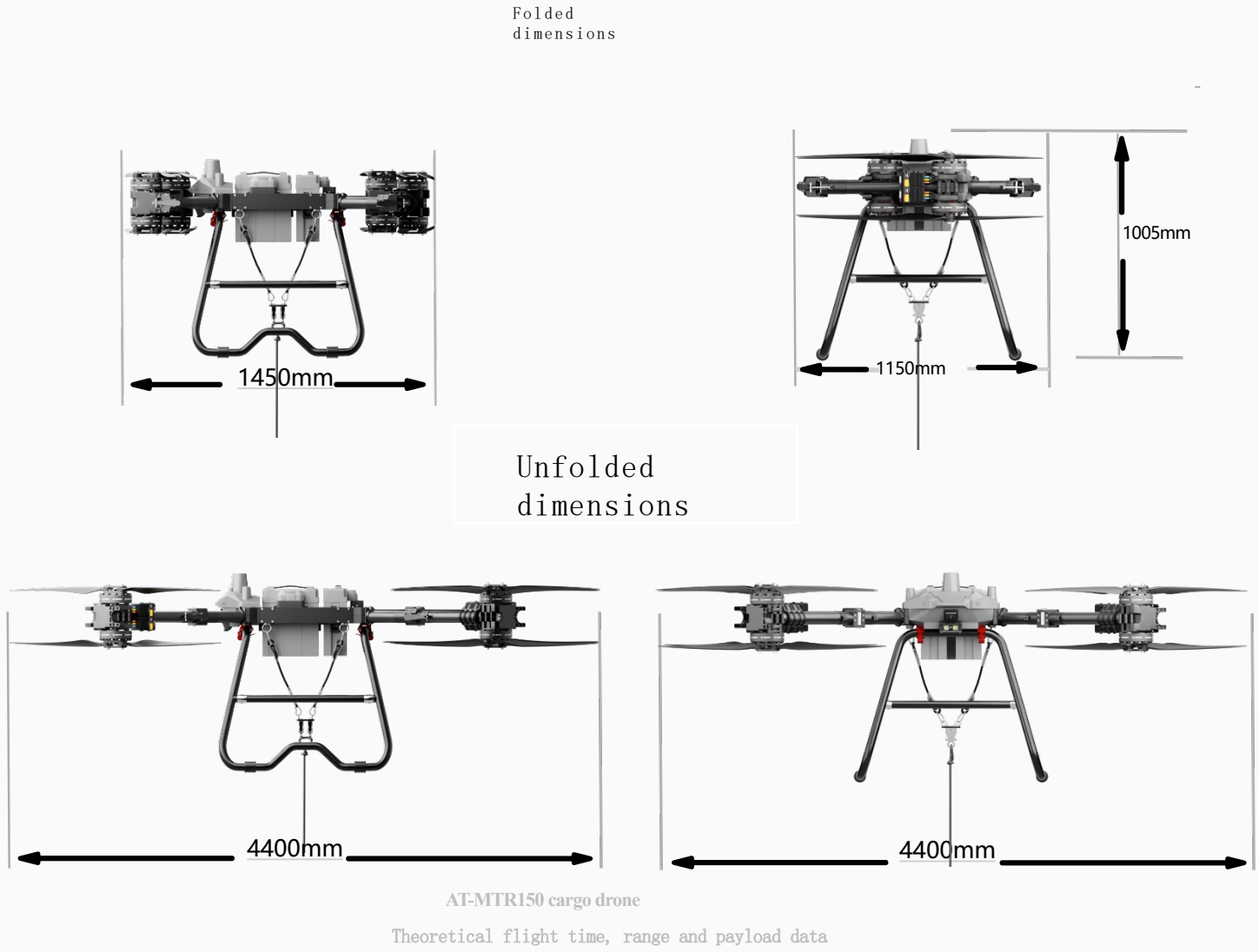
3. Propulsion system		
Motor	Max thrust (per axis)	135kg
ESC	Max continuous working current	180 A

4. Remote controller	
Remote controller	H12 Pro, 5.5-inch remote controller with screen
Max signal range (no interference / no obstacles)	10 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible devices	AT-MTR120

5. Cargo drone payload / endurance / range theoretical data		
Payload	Endurance	Range
150 kg	15 min	12.0 km
100 kg	18 min	15.7 km
80 kg	22 min	18.6 km
70 kg	24 min	25.8 km
60 kg	28 min	29.4 km
50 kg	30 min	32.5 km
40 kg	34 min	34.7 km
30 kg	37 min	36.9 km
20 kg	40 min	41.0 km
10 kg	42 min	43.2 km
0 kg	45 min	46.5 km

6. Camera	
Type	FPV wide-angle image-stabilized camera
Video resolution	1280*720 px
Night navigation	High-brightness night flight lights

7. Power system		
Custom battery	Qty	1 set (4 pcs)
	Model	Custom battery
	Dimensions	220*110*250mm
	Weight	11 kg *4
	Charging temperature	-40°C~65°C
Custom charger	Qty	2
	Charging input	110V-240V
	Charging output	60A (single-channel charging)
	Rated power	3000W



* Due to factors such as altitude, temperature and speed, flight data may vary. Please refer to actual flight data for accuracy.

Electronic geofence: yes
Geofence coverage: the entire national territory
Implementation: if the drone flies outside the end user's country range, it cannot be unlocked; this function is preset in advance at the factory.

AT-MTR150 cargo drone (smart battery)

150kg

Rated payload

200kg

Max payload

45min

Flight time

46.5km

Max range



1. Flight platform	
Folded dimensions	1450*1150*1005mm
Unfolded dimensions	2800*2800*1005 mm (propellers folded) 4400*4400*1005 mm (propellers unfolded)
Weight (without battery)	88kg
Weight (with battery)	132kg
Waterproof rating	IP67
2. Flight data	
Max takeoff weight	333 kg
Max flight speed	20 m/s
Max payload weight	200 kg
Rated payload weight	150 kg

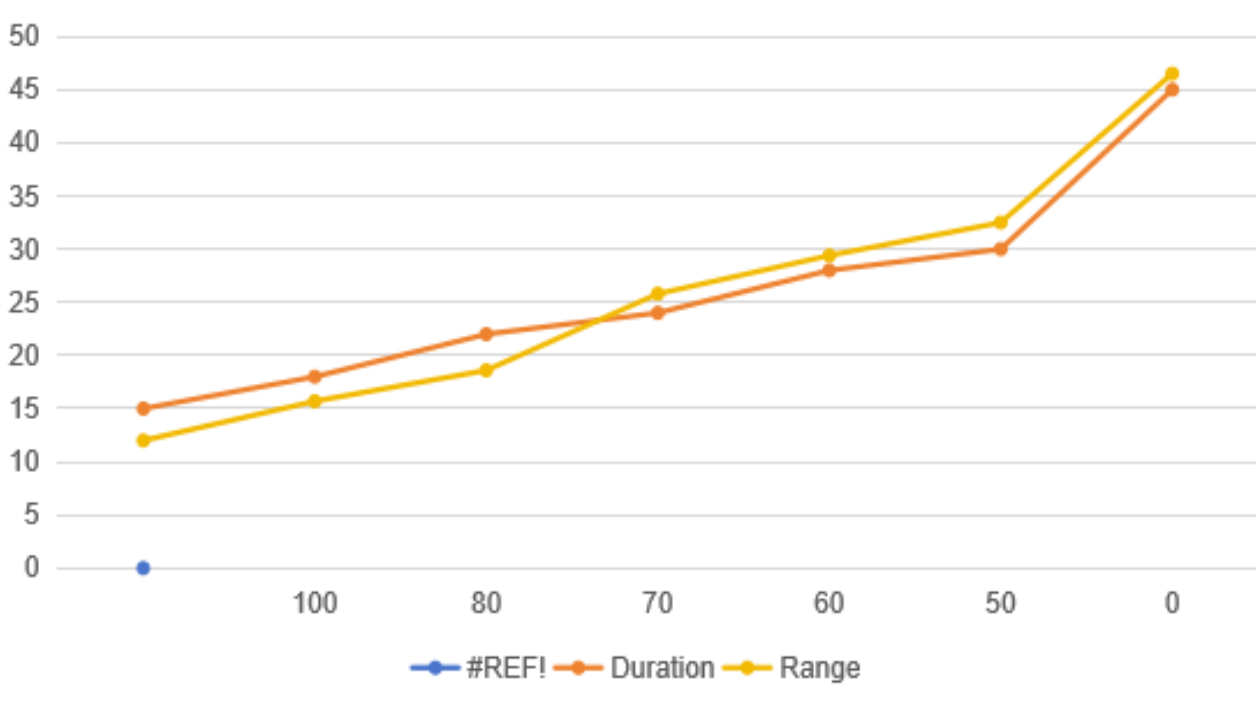
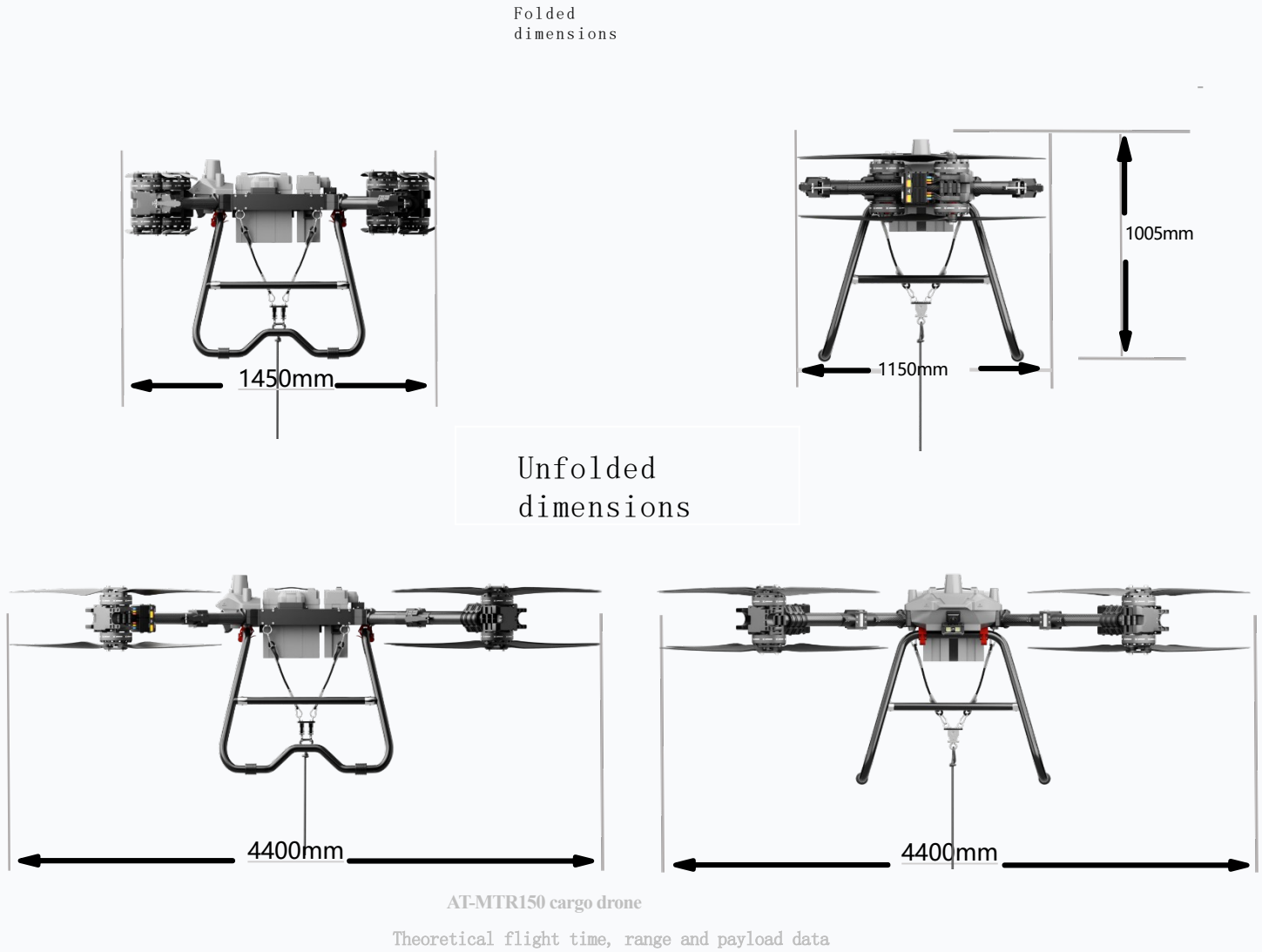
3. Propulsion system		
Motor	Max thrust (per axis)	135kg
ESC	Max continuous working current	180 A

4. Remote controller	
Remote controller	H12 Pro, 5.5-inch remote controller with screen
Max signal range (no interference / no obstacles)	10 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible	AT-MTR120

5. Cargo drone payload / endurance / range theoretical data		
Payload	Endurance	Low-voltage threshold
200 kg	2.5 min	3.3V
160 kg	4.0 min	3.3V
145 kg	5.5 min	3.3V
140 kg	7.0 min	3.3V
100 kg	10.0 min	3.3V
50 kg	15.5 min	3.3V
0 kg	30.0 min	3.3V

6. Camera	
Type	FPV wide-angle image-stabilized camera
Video resolution	1280*720 px
Night navigation	High-brightness night flight lights

7. Power system		
Smart lithium battery	Qty	1 set (3 pcs)
	Model	18S 35000Mah *3
	Dimensions	275*120*330mm
	Weight	16.2 kg *3
	Charging temperature	-40°C~65°C
Smart charger	Qty	1
	Charging input	100V-240V
	Charging output	120A (single-channel charging)
	Rated power	7200W



* Due to factors such as altitude, temperature and speed, flight data may vary. Please refer to actual flight data for accuracy.

Electronic geofence: yes
Geofence coverage: the entire national territory
Implementation: if the drone flies outside the end user's country range, it cannot be unlocked; this function is preset in advance at the factory.

AT-MTR120 cargo drone

150 kg
Max payload

120 kg
Rated payload

62 min
Max flight time

44.6km
Max range



Remote controller



High-capacity solid-state battery *4, smart charger *2

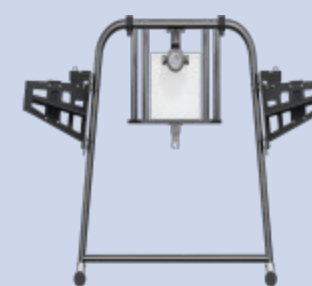
Quick-release landing gear



GNSS



In-house flight controller



Dropping device + gimbal



Transit case + gimbal



Cargo device

Dual-axis HD gimbal



Tool box



Airline transit case (optional)

Choose one of the two loading devices

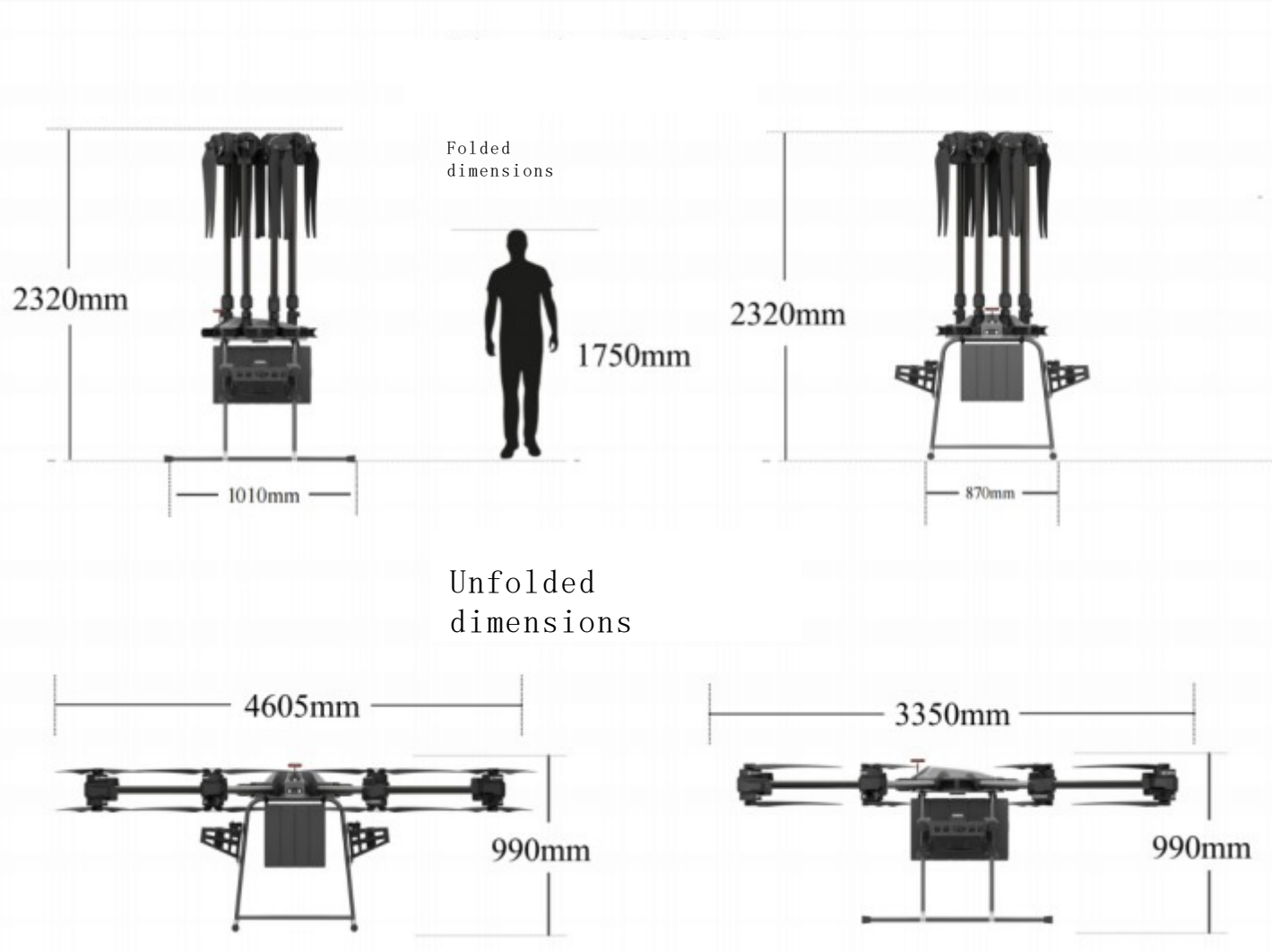
AT-MTR120 model - specifications

1. Flight platform		
Folded dimensions	2320*1010*870 mm	
Unfolded dimensions	3350*3350*990 mm (propellers folded) 4605*4605*990 mm (propellers unfolded)	
Drone empty weight	63kg	
Drone weight (with battery)	107.8 kg	
Waterproof	IP67	
2. Flight data		
Max takeoff weight	257.8 kg	
Max flight speed	20 m/s	
Max payload weight	150 kg	
Rated payload weight	120 kg	
3. Propulsion system		
Motor	Max thrust (per motor)	56 kg
ESC	Max continuous working current	180 A

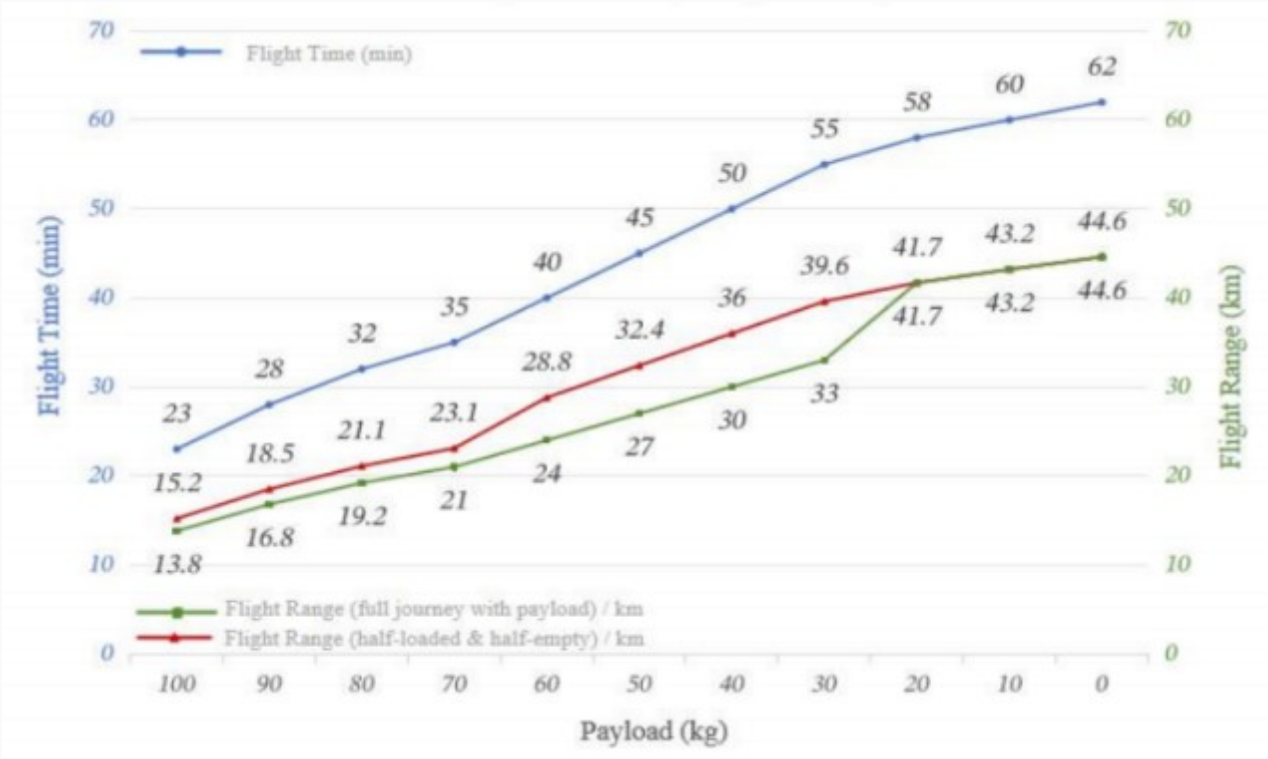
4. Remote controller	
Remote controller	H12 Pro, 5.5-inch remote controller with screen
Max signal range (no interference / no obstacles)	10 km
Operating frequency	2,400~2,483 Mhz
Dimensions	190*152*94 mm
Charging port	TYPE-C
Operating time	6~20 H
Compatible	AT-MTR150 cargo version

5. Cargo drone payload / endurance / range theoretical data		
Payload	Endurance	Range
100 kg	23 min	13.8 km
90 kg	28 min	16.8 km
80 kg	32 min	19.2 km
70 kg	35 min	21 km
60 kg	40 min	24 km
50 kg	45 min	27 km
40 kg	50 min	30 km
30 kg	55 min	33 km
20 kg	58 min	41.7 km
10 kg	60 min	43.2 km
0 kg	62 min	44.6 km
6. Camera		
Camera type	Dual-axis gimbal pod	
Effective pixels	2K	
Fixed focal length	24mm	

7. Power system		
Smart lithium battery	Qty	1 set (4 pcs)
	Model	18S 40000mAh *4
	Dimensions	222*104*245mm
	Weight	11.2 kg *4
	Charging temperature	10~45℃
Smart charger	Qty	2
	Charging input	110V-240V
	Charging output	60A (single-channel charging)
	Rated power	



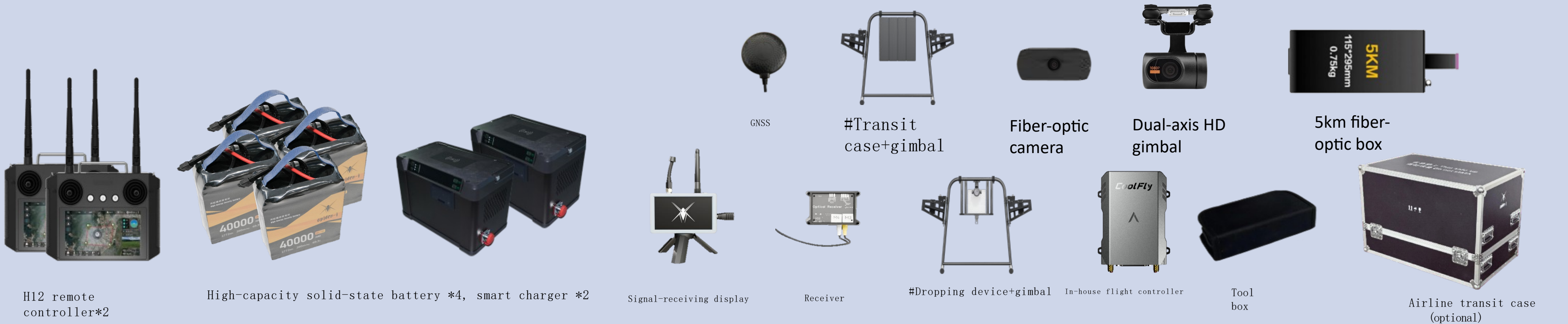
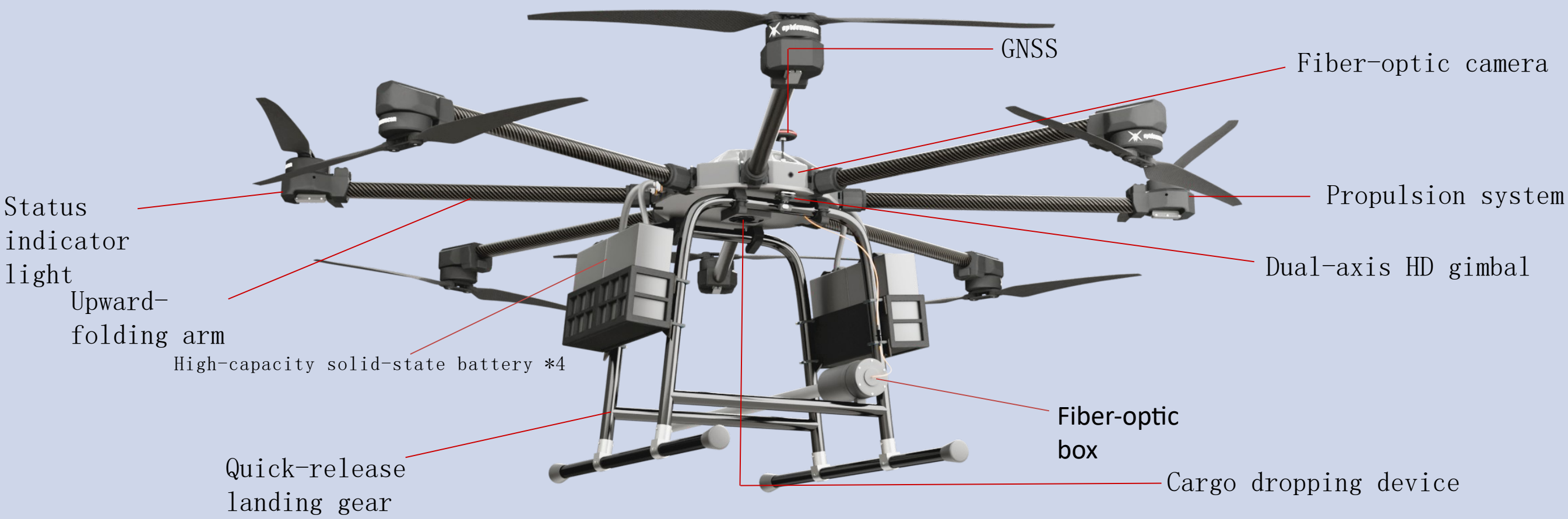
AT-MTR120 cargo drone
Theoretical flight time, range and payload data



* Due to factors such as altitude, temperature and speed, flight data may vary. Please refer to actual flight data for accuracy.

AT-MTR120 cargo drone

150 kg	120 kg	62 min	5km (based on fiber length)
Max payload	Rated payload	Max flight time	Max range



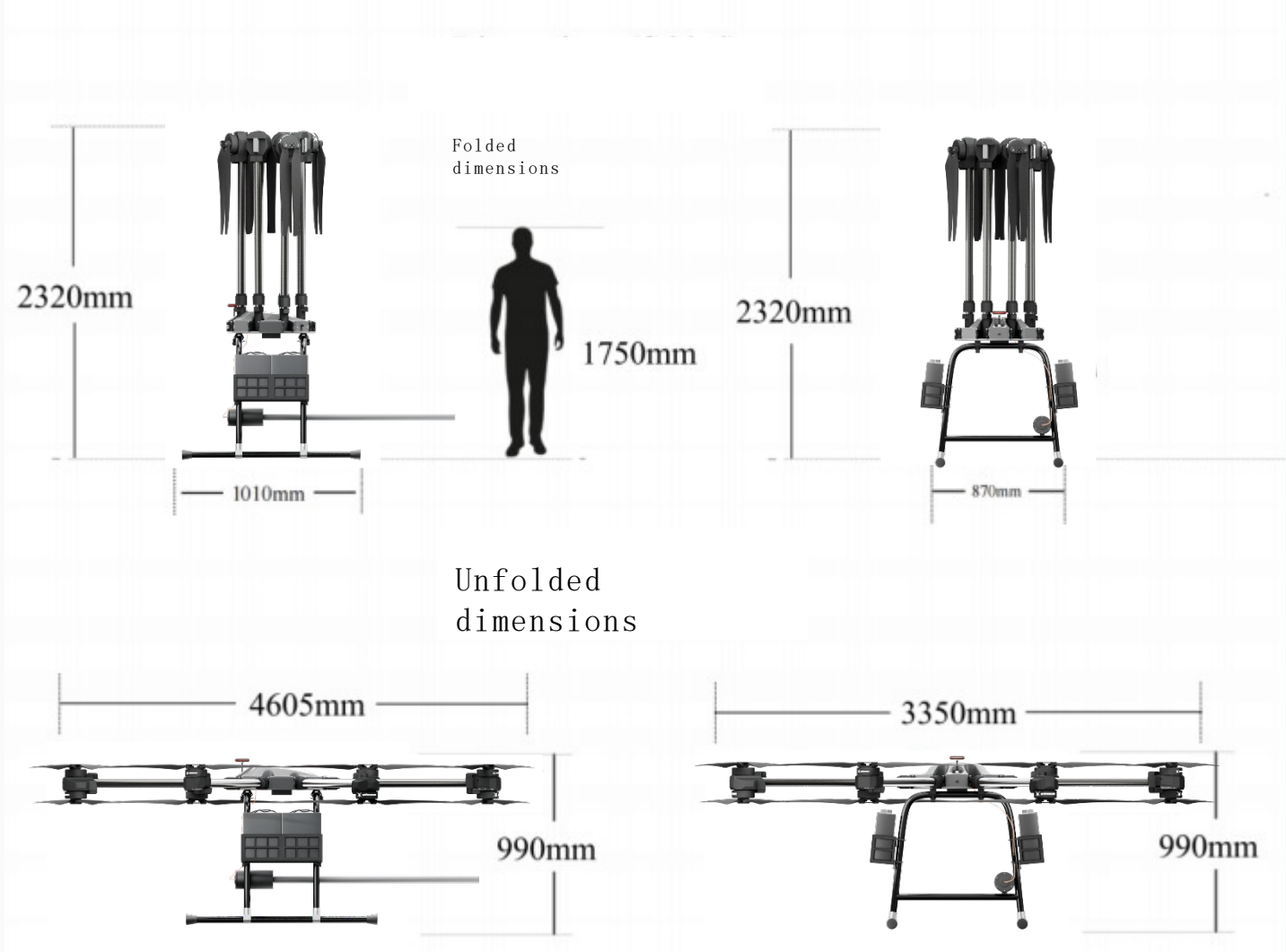
1. Flight platform	
Folded dimensions	2320*1010*870 mm
Unfolded dimensions	3350*3350*990 mm (propellers folded) 4605*4605*990 mm (propellers unfolded)
Drone empty weight	63kg
Drone weight (with battery)	107.8 kg
Waterproof	IP67
2. Flight data	
Max takeoff weight	257.8 kg
Max flight speed	20 m/s
Max payload weight	150 kg
Rated payload weight	120 kg

3. Propulsion system		
Motor	Max thrust (per motor)	56 kg
ESC	Max continuous working current	180 A

4. Remote controller		
Remote controller	H12 *2 remote controller with 5.5-inch screen	
Max signal range (no interference / no obstacles)	10 km	
Operating frequency	2,400~2,483 Mhz	
Dimensions	190*152*94 mm	
Charging port	TYPE-C	
Operating time	6~20 H	
Compatible devices	AT-MTR120	

5. Drone payload / endurance / range theoretical data		
Payload	Endurance	Range
100 kg	23 min	13.8 km
90 kg	28 min	16.8 km
80 kg	32 min	19.2 km
70 kg	35 min	21 km
60 kg	40 min	24 km
50 kg	45 min	27 km
40 kg	50 min	30 km
30 kg	55 min	33 km
20 kg	58 min	41.7 km
10 kg	60 min	43.2 km
0 kg	62 min	44.6 km

6. Camera		
Camera type	Dual-axis gimbal pod	Fiber-optic camera
Effective pixels	2K	1080P
Fixed focal length	24mm	/
	7. Power system	
Smart lithium battery	Qty	1 set (4 pcs)
	Model	18S 40000mAh *4
	Dimensions	222*104*245mm
	Weight	11.2 kg *4
	Charging temperature	10~45℃
Smart charger	Qty	2
	Charging input	110V-240V
	Charging output	60A (single-channel charging)
	Rated power	3000W



8. Fiber-optic system	
Signal-receiving display	Replaces the camera of another viewing angle; transmits live lens information in real time, effectively reducing latency
Receiver	Receives the signal from the fiber optic and passes it to the display and remote controller. Replaces the receiver of the remote controller; an additional remote controller is used to fly the drone
5km fiber-optic device	Fiber diameter: 0.3mm Fiber connector: FC/UPC Fiber model: G675a2 single-mode bend-insensitive fiber

Mounting equipment for the AT-MFF120 model



Dual-axis gimbal pod

- HD camera: 1080P
- Dual-axis stabilization system
- Multi-angle true field of view



Drone-mounted loudspeaker

- Transmission range: 3~5 km
- Compact lightweight loudspeaker
- Clear audio quality



Device box

- Max payload: 120 kg
- High-strength structure
- Suitable for supply delivery



10x dual-sensor pod

- CMOS size: 1/3-inch, 4 megapixels
- Thermal imaging: 256×192 pixels
- Waveband: 8~14 μm, sensitivity: ≤ 65 mk



Illumination device

- Rated brightness: 4000 Lumens
- Beam diameter: 3 m
- Effective illumination distance: 300 m



Drop rope

- High strength, lightweight: 1.1 kg
- Quick release, heat resistant
- Emergency rescue airdrop



30x dual-sensor pod

- 30x 2-megapixel optical zoom core
- 640×480 pixel infrared camera
- Modular design, high expandability



Automatic release hook

- Lifting weight: ≤80kg
- Hook opens automatically when cargo lands



Remote dropper

- One-click remote control
- Easy operation
- Remote controller preset data



Five-lens oblique photography camera

- Flight controller trigger \ distance-interval trigger \ time-interval trigger
- Total lenses > 120 megapixels
- Built-in angle adjustment structure, 4° , 8° , 12° , 16°



5km fiber-optic device

- Fiber diameter: 0.3mm
- Fiber connector: FC/UPC
- Fiber model: G675a2 single-mode bend-insensitive fiber

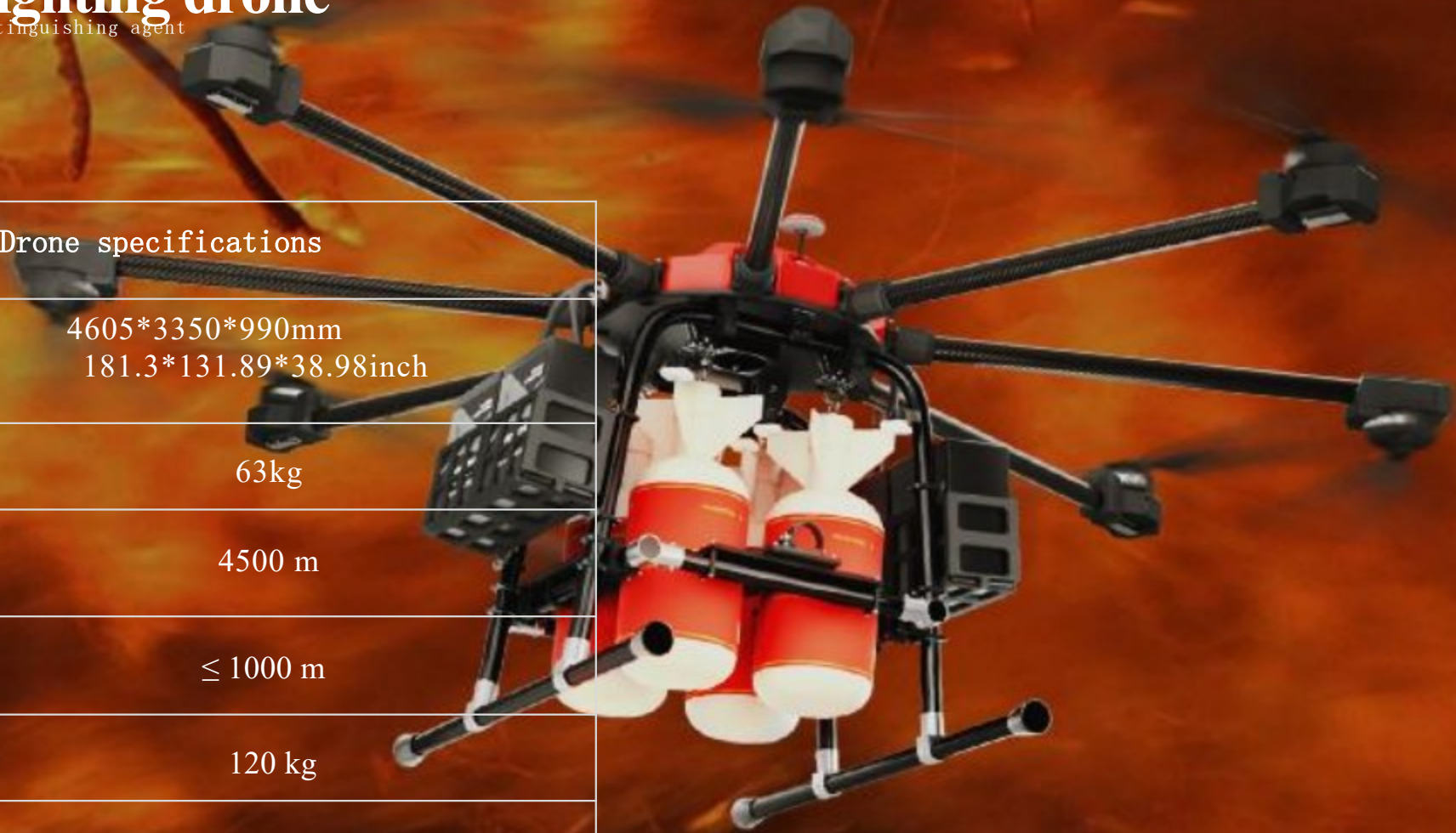
AT-MFF120 heavy-payload
firefighting drone

Max payload: 23kg * 4 drop-type fire extinguishing agent containers

Caliber	Φ 260 mm
	650mm
Extinguishing agent type	Water-based extinguishing agent or ABC dry powder
Extinguishing agent net weight	≥20kg
Dispersion radius	≥ 5 m
Coverage area	≥ 50 m²
Safety radius	≥ 20 m
	Radio proximity release altitude 0~6m
Release altitude	90~ 150 m
Operating ambient temperature	-20℃ ~ 60℃
Fully sealed loading	Waterproof, moisture-proof
Safety release delay	Dual safety, flameproof

* These industrial drones provide a flight platform; we can provide free in-depth customization according to the customer’s specific use scenario and requirements.

Drone specifications	
Unfolded dimensions	4605*3350*990mm 181.3*131.89*38.98inch
Weight	63kg
Max altitude limit	4500 m
Operating altitude	≤ 1000 m
Max payload	120 kg
Max takeoff weight	257.8kg



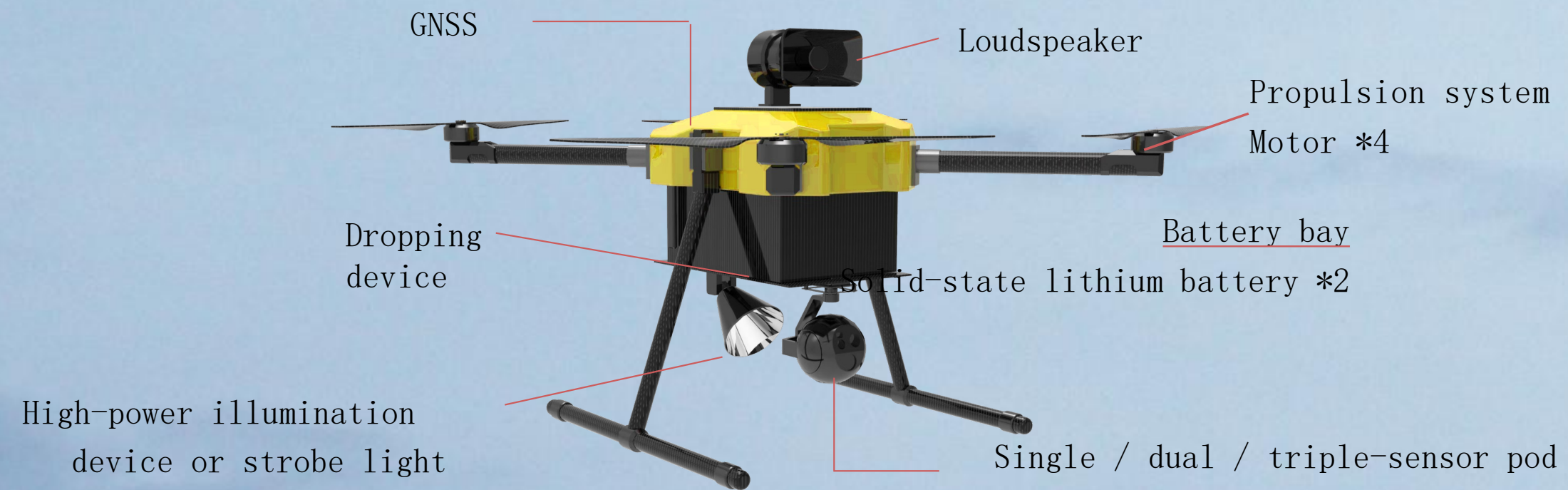


Long-endurance drone

We have two long-endurance drone models, the AT-MIN120 and AT-MIN65, both with extended flight time and the ability to carry various payload devices. They are widely used in oilfield patrol, pipeline inspection, high-voltage line inspection, search and rescue, patrol, supply transport, loudspeaker broadcast and airborne guidance. Multirotor drones take off and land conveniently and have no specific site requirements.

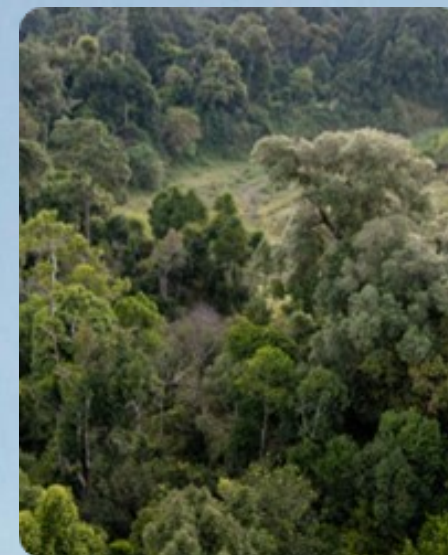
AT-MIN120 long-endurance drone

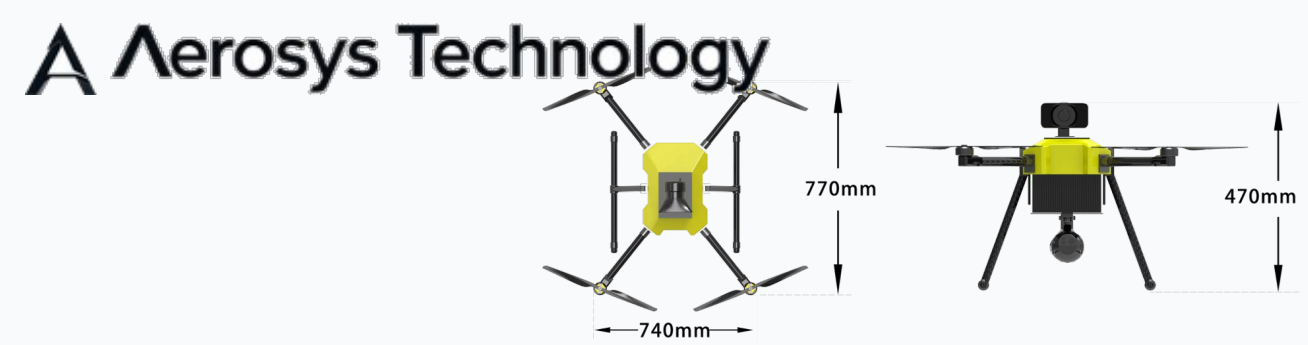
Max flight time: 120min | Max payload: 5kg



Application scenarios

Application scenarios: power line inspection, pipeline inspection, search and rescue, patrol, broadcast, etc.





AT-MIN120 - specifications

Flight platform	
Unfolded dimensions	740mm*770mm*470mm (29.13”x 30.31”x 18.50”)
Folded dimensions	300mm*230mm*470mm (11.81”x 9.06”x 18.50”)
Rotor spacing	968 mm
Materials	Carbon fiber + 7075 aviation aluminum + plastic
Total weight	7.3 kg
Rain resistance level	Moderate rain
Wind resistance level	Level 6
Noise level	< 50 dB
Storage type	Vertical arm folding
	Quick-release landing gear
	Quick-release propeller

Flight data	
Hover flight time	110 min (max)
Route flight time	120 min (max)
Rated payload	3.0 kg
Max payload	5.0 kg
Max range	65 km
Cruise speed	20 m/s
Max climb rate	5 m/s
Max descent rate	3 m/s
Max climb ceiling	5 km
Operating temperature	-40°C ~ 50°C
Waterproof rating	IP67

Propulsion system		
Standard lithium battery	Qty	2
	Model	6S 24500mAh
	Rated capacity	25.2V / 20A
	Weight	4.3 kg
	Charging temperature	- 40°C ~ 65°C
Smart charger	Qty	1
	Charging input	110V-220V W
	Charging output	20A (single-channel charging)
	Rated power	1080W

Payload endurance
With 1kg load, hover flight time is 90min
With 2kg load, hover flight time is 75min
With 3kg load, hover flight time is 65min
With 4kg load, hover flight time is 60min
With 5kg load, hover flight time is 50min

* These industrial drones provide a flight platform; we can provide free in-depth customization according to the customer’s specific use scenario and requirements.

Mounting equipment for the AT-MIN120 model

Dual-axis gimbal pod



- HD camera: 1080P
- Dual-axis stabilization system
- Multi-angle true field of view

Drone-mounted loudspeaker



- Transmission range: 3~5 km
- Compact lightweight loudspeaker
- Clear audio quality

Device box



- Max payload: 5 kg
- High-strength structure
- Suitable for supply delivery

Five-lens oblique photography camera



- Flight controller trigger \ distance-interval trigger \ time-interval trigger
- Total lenses > 120 megapixels
- Built-in angle adjustment structure, 4° , 8° , 12° , 16°

14x single-sensor pod



- Effective pixels: 12 million
- Lens focal length: 14x zoom
- Min focusing distance: 10 mm

Illumination device



- Rated brightness: 4000 Lumens
- Beam diameter: 3 m
- Effective illumination distance: 300 m

Drop rope



- High strength, lightweight: 1.1 kg
- Quick release, heat resistant
- Emergency rescue airdrop

10x dual-sensor pod



- CMOS size: 1/3-inch, 4 megapixels
- Thermal imaging: 256×192 pixels
- Waveband: 8~14 μm, sensitivity: ≤ 65 mk

Weather monitoring instrument



- Detectable gas types: combustible gas, oxygen, ozone, carbon dioxide, carbon monoxide, ammonia, formaldehyde, etc.

Remote dropper

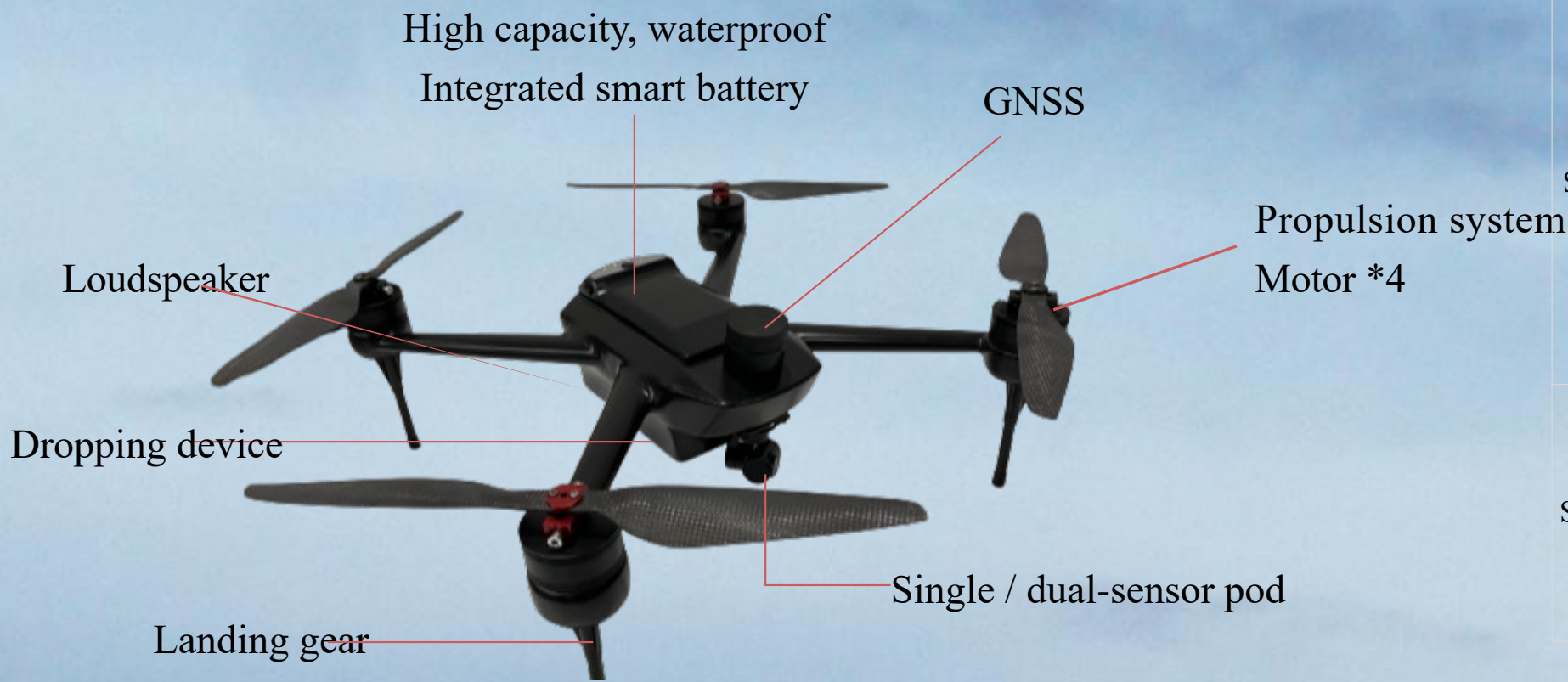


- One-click remote control
- Easy operation
- Remote controller preset data



AT-MIN65 long-endurance drone

Max flight time: 60min | Max payload: 2.5 kg



Power supply system		
Smart battery	Qty	1
	Model	6S 15000mAh
	Weight	kg
	Charging temperature	-40℃~65℃
Smart charger	Qty	1
	Charging input	110V-220V
	Rated power	200W

Flight platform	
Unfolded dimensions	480 mm*480 mm*180 mm (18.90” x 18.90” x 7.09”)
Materials	Carbon fiber + 7075 aviation aluminum + plastic
Net weight	2 kg
Wind resistance level	Level 6
Payload module	Quick release and replacement

Flight data	
Max endurance	60min
Max takeoff weight	6 kg
Max payload	2.5 kg
Max range	5 km
Max flight speed	20 m/s
Max climb / descent rate	5 m/s

GPS	
GPS operating mode	RTK / GPS positioning
Positioning accuracy	5 cm
Navigation control	Dual-frequency GPS navigation
Mission mode	Fully automatic
Safety mechanism	Supports return on attitude abnormality, Automatic hover when GPS signal is lost, and automatic return to home on link loss.

* These industrial drones provide a flight platform; we can provide free in-depth customization according to the customer's specific use scenario and requirements.

Mounting equipment for the AT-MIN65 model



Dual-axis gimbal pod (standard version)

HD camera: 1080P

- Dual-axis stabilization system
- Multi-angle true field of view



Drone-mounted loudspeaker

Transmission range: 3~5 km

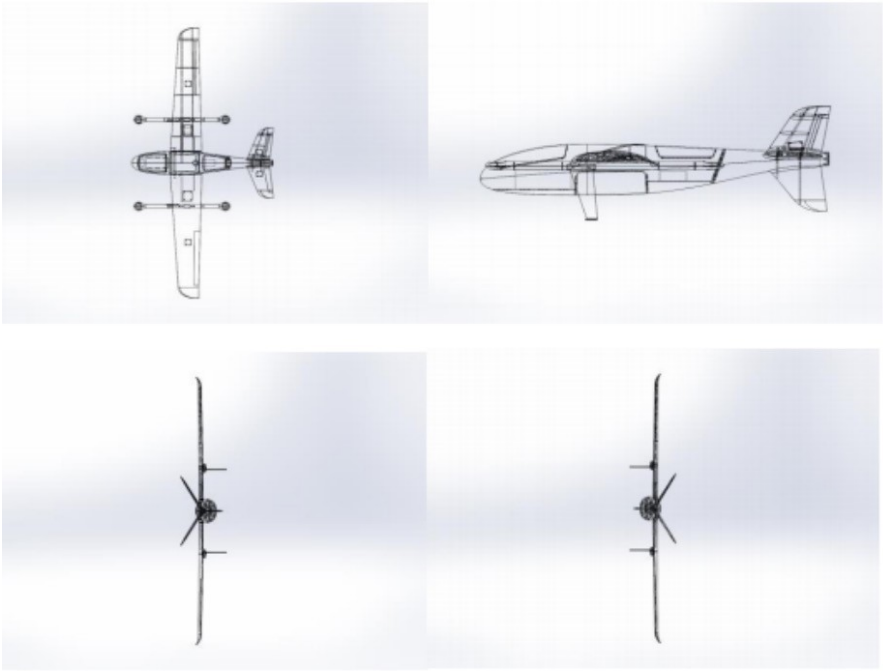
- Compact lightweight loudspeaker
- Clear audio quality



Micro dropping dispenser

Dual-path dropping

- Up to 2kg per path



Product views



Packed view



Unfolded view

Product dimensions	
Airframe length	1260mm
Wingspan	2500mm
Landing gear height	195mm
Mission bay dimensions	260mm*172mm*90mm
Battery bay dimensions	260mm*150mm*85mm
Packing box dimensions	1500mm*490mm*370mm

Product parameters	
Takeoff and landing method	Vertical takeoff and landing
VTOL propulsion propeller size	16/17 inch (recommended)
Fixed-wing tail pusher propeller	15~17 inch (recommended)
Max thrust-to-weight ratio in fixed-wing mode	0.65 (standard configuration)
High-altitude performance	Passed high-altitude plateau testing
Standard empty takeoff weight	11.2kg

Powerplant type	Electric brushless motor; electronic speed control system.
Airframe material	Carbon fiber, fiberglass, Kevlar, PVC, etc.
Mission bay position	Directly below the aircraft center of gravity
Structural weight	Approx. 3200g (including all structural and mounting parts)
Max takeoff weight	Less than 13.5kg
Max (effective) payload	5kg (effective payload: 1.2kg)
Max endurance time	210min
Max control distance	Ground station / 5km-80km
Standard cruise speed over flat terrain	68km/h (approx. 19m/s at 12.5kg) (recommended cruise speed for mountain work 21m/s at 12.5kg)
Max cruise speed	108km/h (30m/s)
Standard battery configuration	22.8v/25Ah*2 (45.6V)
Never-exceed speed	120m/h (approx. 34m/s)
Max flight radius	200km
Max level-flight ceiling	Altitude 5000m
Wind resistance in fixed-wing mode	Wind up to level 6
Max wind resistance in rotor takeoff/landing mode	Wind up to level 4
Operating environment	-20°C~45°C; can fly in light rain

Cleaning drone

- Multiple water supply methods can be customized for efficient operation
- Multiple power supply methods can be customized for efficient flight
- High-rise facade cleaning
- High-rise glass cleaning
- Solar PV panel cleaning
- Roof cleaning



Cleaning drone (50 m)



45°



90°



180°

Basic parameters			
Materials	Aviation carbon fiber + aviation aluminum	Flight radius	≤ 5000 m
Drone dimensions	1900 x 1900x 660mm (unfolded)	Flight speed	1-15 m/s
Flight altitude	≤ 50m	Drone motor life	≥100,000 h
Max takeoff weight	60 kg	Aircraft airframe service life	≥ 10 years
Weight (without battery)	20 kg	Wind speed for safe takeoff and landing	≤ level 7

Configuration			
Version	Flight time	Battery	Charger
Built-in tank version (standard battery)	8-15min	14 S 28000mAh smart lithium battery	100-240V 3000W
Built-in tank version (custom battery)	20-30min	Custom battery	100-240V 3000W
Ground pressurized version (standard battery)	8-15min	14 S 28000mAh smart lithium battery	100-240V 3000W
Ground pressurized version (custom battery)	20-30min	Custom battery	100-240V 3000W
Ground pressurized version (tethered device)	No time limit	/	/

AT-MCL100 cleaning drone (50-100 m)



Basic parameters			
Materials	Aviation carbon fiber + aviation aluminum	Flight radius	≤ 5000 m
Drone dimensions	2919*3080*872 mm	Flight speed	1-15 m/s
Flight altitude	≤ 100m	Drone motor life	≥100,000 h
Max takeoff weight	111 kg	Aircraft airframe service life	≥ 10 years
Weight (without battery)	34 kg	Wind speed for safe takeoff and landing	≤ level 7

Configuration			
Version	Flight time	Battery	Charging system
Built-in tank version (standard battery)	7-28 min	14S 30000mAh Smart lithium battery	100-240V 9000W
Built-in tank version (custom battery)	25-40min	Custom battery	100-240V 3000W
Ground pressurized version (standard battery)	7-28min	18S 30000mAh Smart lithium battery	100-240V 9000W
Ground pressurized version (custom battery)	25-40min	Custom battery	100-240V 3000W

Facade cleaning drone (over 100 m), cleaning drone



Basic parameters			
Materials	Aviation carbon fiber + aviation aluminum	Flight radius	≤ 5000 m
Drone dimensions	3350*3350*990mm (propellers folded) 4605*4605*990mm (propellers unfolded)	Flight speed	1-15 m/s
Flight altitude	> 100m	Drone motor life	≥100,000 h
Max takeoff weight	254kg	Aircraft airframe service life	≥ 10 years
Weight (without battery)	74kg	Wind speed for safe takeoff and landing	≤ level 7

Configuration			
Version	Flight time	Battery	Charger
Version with water tank (standard battery)	8~20 min	18S 35000mAh Smart lithium battery	100-240V 7200W
Version with water tank (custom battery)	20~40 min	Custom battery	100-240V 3000W

Cleaning drone accessories

Ground pressurized system		
Photo		
Dimensions	610*450*480mm	650x590x660mm
Motor power	5.5 KW	13 KW
Max flow rate	32 L/min	1620L/min
Nominal voltage	220V	220V
Product weight	50 kg	84 kg
Water supply method	Connect to a water tap / pipeline	Connect to a water tap / pipeline

Nozzle	
	
Angle	45°, 90°, 180°
Length	1.06 m
Material	Stainless steel
Weight	1 kg
Spray wand	
	
Spray range (sector)	3-6 m