



# HZH C400

4-AXIS LIGHTWEIGHT FOLDABLE INSPECTION DRONE



Relay Networking



Millimeter Wave Radar  
Obstacle Avoidance



63 Minutes Long Battery  
Life



1K Ultra HD IR



Backpack-Quality  
Lightweight



21 TOPS Calculation  
Power

## HZH C400 Complete Drone & Main Pods



8K PTZ CAM

Dual-Light PTZ CAM

1K Infrared Dual-Light PTZ CAM

Four-Light PTZ CAM

## HZH C400 Basic Parameters

Unfolded Size	549*592*424mm	Wheelbase	725mm
Folded Size	347*367*424mm	Hovering Accuracy	GNSS: H: ±1.5m V: ±0.5m
Load	3KG		RTK: H/V: ±0.1m
Take-Off Weight	7KG	Positional Accuracy	H: 1cm+1ppm V: 1.5cm+1ppm
Take-Off Altitude	5000m	IP Protection Level	IP45
Flight Endurance	63 minutes	Wind Resistance	Level 7
Flight Speed	23m/s	Mapping Distance	15km
Omnidirectional Obstacle Avoidance	<b>Obstacle Sensing Range:</b> <b>Front:</b> 0.7-40m; <b>Left&amp;Right:</b> 0.6-30m; <b>Up&amp;Down:</b> 0.6-25m; <b>Using environment:</b> Surface with Rich Texture, Adequate Lighting Conditions		
AI Function	Target Detection, Tracking and Recognition Functions		



## HZH C441

4-AXIS INSPECTION DRONE



**Extended Flight Time**



**Cost and Time Efficiency**



**Automatic Operation**



**Quick Assembly and Disassembly**



**Interchangeable Payload Modules**



**Robust Safety Mechanisms**

## HZH C441 Complete Drone & Main Pods



Dual-Axis Gimbal Pod

10x Dual-Light Pod

Drone-Mounted Megaphone

Miniature Drop Dispenser

## HZH C441 Basic Parameters

Material	Carbon Fiber & Aviation Aluminum	Flight Endurance	60-65 minutes
Number of Rotors	4	Flight Speed	≥10m/s
Unfolded Size	480*480*180mm	Range	≥10km
Drone Weight	2.3KG	Ascent Speed	≥5m/s
Take-Off Weight	6.5KG	Descent Speed	≥6m/s
Payload Module	Interchangeable PTZ Modules	Positional Method	RTK/GPS
Wind Resistance	Level 6	Positional Accuracy	Approximately 5cm
Navigation Control	Dual-Frequency GPS Navigation ( Dual Anti-Magnetic Compass )		
Task Mode	Fully Automatic Task Mode		
Safety Mechanisms	Supports Anomaly Return, Auto-Hover on GPS Loss, Auto-Return on Signal Loss, etc.		





## HZH C491

4-AXIS FOLDABLE INSPECTION DRONE



**Extended Flight Time**



**Cost and Time Efficiency**



**User-Friendly Operation**



**Quick Assembly and Disassembly**




**Customizable Gimbal Configurations**



**Capability for Cargo Drop and Release**

## HZH C491 Basic Parameters

		Unfolded Size	740*770*470mm
		Folded Size	300*230*470mm
		Drone Weight	7.3KG
		Load	3-5KG
		Hover-flight Time	110 minutes
		Route-flight Time	120 minutes
Wind Resistance	Level 6	Cruising Speed	10m/s
Water Resistance	IP67	Range	65km
Rain Prevention	Moderate Rain	Ascent Speed	5m/s
Noise Level	<50dB	Descent Speed	3m/s

## HZH C491 Partial Application Pods

			
30x Dual-Light Pod	10x Dual-Light Pod	14x Single-Light Pod	Dual Axis Gimbal Pod
			
Deployment Box	Drop Rope	Remote Deployer	Automatic Release Hook

# ● HZH Y50 ( CONTACT US FOR MORE LOADS )

4-AXIS 50KG PAYLOAD TRANSPORTATION DRONE



● Heavy Payload Capacity



● Versatile Operational Capability



● Extended Flight Time



● Enhanced Delivery Efficiency



● Cost-Effectiveness



● High-Speed Performance

TRANSPORTATION DRONE



## HZH Y50 Basic Parameters

Unfolded Size	2919*3080*872mm	Protection Rating	IP67
Folded Size	1240*840*872mm	Front and Rear Obstacle Avoidance Radar	
Drone Weight	34KG	Safe Height	≥2m
Rated Payload	50KG	Safe Speed	≤8m/s
Takeoff Weight	99KG	Terrain-Following Radar	
Flight Endurance	9-32 minutes	Max. Gradient	45°
Flight Speed	1-15m/s	Camera	
Operating Altitude	≤20m	Camera Type	HD FPV Camera
Battery	18S 30000mAh*1	Video Resolution	1920*1080 px
Battery Weight	15KG	Night Navigation	High Brightness

## HZH Y50 Configuration

			
HZH Y50 Drone	Remote Control	GNSS	FPV Camera
			
Obstacle Avoidance Radar	Terrain-Following Radar	360° Obstacle Avoidance Radar	Antenna Receiver



# ● HZH Y80 ( CONTACT US FOR MORE LOADS )

8-AXIS 80KG PAYLOAD TRANSPORTATION DRONE



● Heavy Payload Capacity



● Versatile Operational Capability



● Extended Flight Time



● Enhanced Delivery Efficiency



● Cost-Effectiveness




● High-Speed Performance

TRANSPORTATION DRONE



## HZH Y80 Basic Parameters

		Flight Endurance	6-20 minutes
		Flight Altitude	≤3km
		Operating Altitude	≥500m
Wheelbase	2990mm	Flight Speed	1-12m/s
Unfolded Size	4020*4020*930mm	Ascent Speed	5m/s
Folded Size	1070*960*2200mm	Descent Speed	3m/s
Drone Weight	42KG	Satellite Positioning	GPS / GLONASS or BDSS / GLONASS
Rated Payload	80KG	Hovering Accuracy	Horizontal / Vertical: ±2.5m
Tilting Angle	30°	Battery	14S 42000mAh*2
Wind Resistance	Level 6	Battery Weight	12.6KG
Protection Rating	IP54	Charging Time	25 minutes

## Partial Configuration

			
<b>Remote Control</b>	<b>Charger</b>	<b>Dual Axis Gimbal Pod</b>	<b>Automatic Release Hook</b>
<b>Screen Size:</b> 5.5 inches touchable <b>Max. Control Distance:</b> 5km <b>Type:</b> Digital Map Transmission All-in-one	<b>Weight:</b> 7.0KG <b>AC Input:</b> 110-240V <b>Charging Power:</b> 2500W <b>Charging Current:</b> 50A <b>Lithium Battery Section:</b> 12s-14s	<b>Size:</b> 49*57.5*47.1mm <b>Weight:</b> 55g · 1080P HD Camera · Adjustable Dual-Axis Stabilization · Multi-Angle True Vision	<b>Material:</b> Stainless Steel <b>Weight:</b> ≤400g <b>Lifting Weight:</b> ≤80kg · Hook can be Automatically Opened

# ● HZH Y100 ( CONTACT US FOR MORE LOADS )

8-AXIS 100KG PAYLOAD TRANSPORTATION DRONE



● Heavy Payload Capacity



● Versatile Operational Capability



● Extended Flight Time



● Enhanced Delivery Efficiency






● Cost-Effectiveness



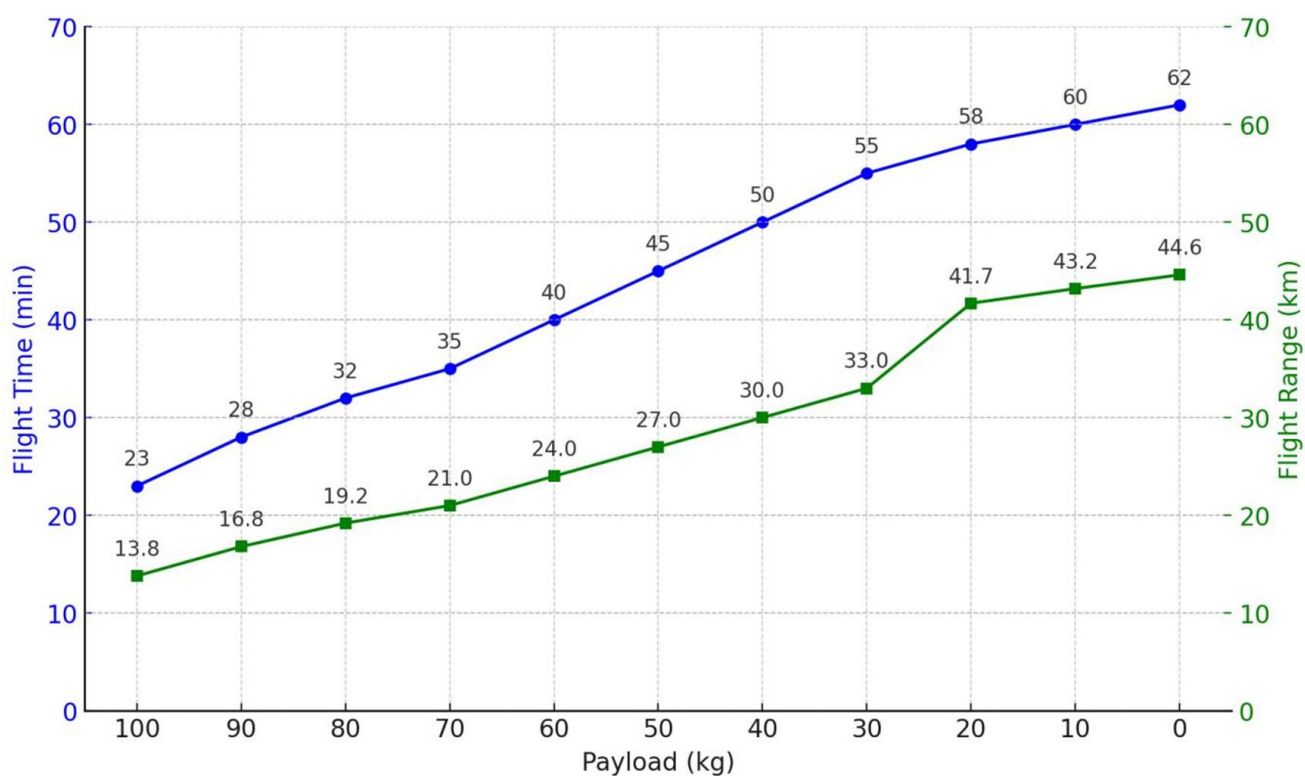
● High-Speed Performance



## HZH Y100 Basic Parameters

		Transport Box	Drop Release
			
Unfolded Size	4190*4190*1130mm	Flight Endurance	23-62 minutes
Folded Size	1470*1470*1130mm	Flight Altitude	≤5km
Drone Weight	60KG	Flight Range	45km
Rated Payload	100KG	Flight Speed	20m/s
Take-Off Weight	270KG	GNSS	GPS / BDS / Glonass
Waterproof Grade	IP67	Camera	14x Single-Light Pod

### HZH Y100 Drone Payload / Duration / Range Theoretical Data





# HZH CL30

4-AXIS FOLDABLE CLEANING DRONE



**Reducing Accident Risk**



**Save Time & Cost**



**Access All Areas**



**Operate with Ease**



**Two Types of Water Supply**





**Configurable Tethered Device Power**



## HZH CL30 Basic Parameters

Material	Carbon Fiber & Aviation Aluminum	Flight Endurance	18-35 minutes
Unfolded Size	2150*2150*800mm	Flight Altitude	≤50m
Folded Size	830*830*800mm	Ascent Speed	≥3m/s
Drone Weight	21KG	Descent Speed	≥3m/s
Take-Off Weight	60KG	Operating Temperature	-40°C-50°C
FPV Camera	High-Definition FPV Camera	Wind Resistance	Level 6
Battery	14S 28000mAh*1	Water Resistance	IP67

## Two Types of Water Supply

			
with Onboard Water Tank		with Ground Booster	
Nozzle Length	2m	Nozzle Length	2-5m ( Adjustable )
Nozzle Weight	2KG	Nozzle Weight	2KG
Water Pressure	0.8-1.8 Mpa	Water Pressure	8-30 Mpa
Spray Distance	3-5m	Spray Distance	10-20m

## Three Spray Angles

Horizontal	Suitable for Cleaning High-Rise Windows or Building Facades
90° Vertical Down	Suitable for Rooftop Cleaning
25°/45° Tilt Down	Suitable for Solar Panel Maintenance



## HZH CF50

4-AXIS FIREFIGHTING WINDOW-BREAKING DRONE



**Convenient Transport  
Rapid Deployment**



**Rapid Emergency Access**



**Autonomous Operation**



**Enhanced Safety and  
Precision**




**Easy Maintenance &  
Cost Effective**



**Seamless Coordination  
with Ground Teams**

## HZH CF50 Basic Parameters

	Unfolded Size	2150*2150*800mm
	Folded Size	830*830*800mm
	Drone Weight	21KG
	Flight Endurance	30 minutes
	Max. Range	50m
	Jet Delay Time	5-6s

## Standard Launch Tube



Projectile Main Material	Aluminium Alloy	Transmitter Main Material	Composite Materials +Aviation Aluminum
Caliber	Φ60mm	Outer Diameter	Φ67mm
Length	950mm	Inner Diameter	Φ60mm
Weight	3050g ( Single Shot )	Length	930mm
Starting Voltage	≥12V	Weight	1400g ( Single Shot )
Fire Extinguishing Agents	ABC Ultrafine Dry Powder	Power on Mode	Two Copper Contacts
Net Weight of Fire Extinguishing Agent	1100g	Card Installation Method	Tail Trimming Block+ Manual Bolt Fixation
Jet Delay Time	5-6s	Initial Velocity of Launch	40-60m/s
Single Shot Capability	9.2m <sup>3</sup> ( Total Flooding )	Shelf Life (year/time)	10 or the number of launches ≥22000





# HZH XF100

8-AXIS 100KG PAYLOAD FIREFIGHTING DRONE



**Convenient Transport  
Rapid Deployment**



**Intelligent Blasting Control  
System**



**Autonomous Operation**



**Heavy Payload & Long  
Flight Time**



**Easy Maintenance &  
Cost Effective**





**High-Efficiency  
Extinguishing Bombs**

## HZH XF100 Basic Parameters

	Unfolded Size	5600*5600*980mm
	Drone Weight	52KG
	Load	100KG
	Take-Off Weight	190KG
	Flight Altitude	4500m
	Assignment Altitude	≤1000m

## Compatible Fire Extinguishing Bombs

			
<b>Water-based Fire Extinguishing Bomb</b>		<b>Fire Extinguishing Bomb Dispenser</b>	
Filling Volume	25L	Size	470*317*291mm
Length of Bomb	600mm	Weight	1.7KG
Diameter of Bomb	265mm	Bombs Loaded	6 pieces ( 150mm )
Accuracy	Vertical Precision Drop: 2*2m	<b>Fire Extinguishing Bomb</b>	
Operation Mode	Aerial Burst Spraying	Sphere Diameter	150mm
Spray Radius	≥15m	Sphere Weight	1150±150g
Response Time	≤5 minutes	Dry Powder Weight	1100±150g
Impact Area	200-300m <sup>2</sup>	Impact Area	3m <sup>3</sup>
Fire Extinguishing Level	4A/24B	Fire Extinguishing Level	Classes A/B/C/E/F