



Light Industrial UAV System



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Reach the Unreachable

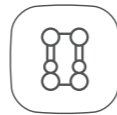
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Obstacle Avoidance



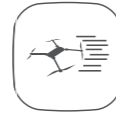
Vision Positioning System



Fully Foldable and Portable



10km HD Image Transmission



Standard 35min Flight Time



Target Tracking



Load Bearing Open Platform



Max 1kg Load Capacity

Module	Description	Parameter Description
Drone	Dimension	745 X 555 X 225mm (Unfolded); 273 X 224 X 107mm (Folded)
	Wheelbase	622mm
	Maximum Take-off Weight	3.4kg
	Maximum Load	1kg
	Maximum Angular Velocity of Rotation	100°/s
	Maximum Pitch Angle	40°
	Maximum Ascent Speed	5m/s
	Maximum Descent Speed	3m/s
	Maximum Horizontal Flight Speed	15m/s (Sport Mode)
	Maximum Flight Altitude	3500m
	Maximum Tolerable Wind Speed	10m/s
	Maximum Flight Time	35 minutes
	Environmental Working Temperature	-10°C to 50°C
	Satellite Positioning Module	GPS/GLONASS Dual Mode
	Hover Accuracy (P-GPS)	Vertical: ±0.5m (Downward vision system: ±0.1m); Horizontal: ±1.5m (Downward vision system: ±0.3m)
Forward Vision System	IP Protection Level	IP43
	Sensory Range	0.5 to 15m
	FOV	Horizontal: 73°, Vertical: 60°
Downward Vision System	Operating Environment	With clear texture and adequate lighting (lux>15, common room light)
	Velocity Measurement Range	Flight Speed≤10m/s (Altitude 8 meters, adequate illumination)
	Vertical Measurement Range	0.3 to 8m
Intelligent Flight Mode	Horizontal Precision Range	0.3 to 8m
	Forward Obstacle Avoidance	Yes
	Trace	Yes
	Vision Circle	Yes
	Point of Interest	Yes
Image Transmission	Waypoint	Yes
	Frequency	2.4 GHz
	Maximum Distance	10km
Remote Control	Streaming	720p @30fps
	Working Frequency	2.4GHz
	Maximum Distance	10km
	Working Environmental Temperature	-10 °C-40 °C
Intelligent Battery	Battery	5000mAh 2S LiPo
	Working Voltage	8.4V
	Capacity	12000mAh
	Rated Voltage	14.8V
	Battery Type	LiPo 4S
	Energy	177.6Wh
	Overall Battery Weight	1078g
	Working Environmental Temperature	-10 °C to 40 °C
	Charging Environmental Temperature	0°C to 40°C

Gimbal



Adaptation Model	4k Camera (QYT003)	Infrared Camera (GTIR800)	4k 30x Zoom Camera (GTZMHK30X)
Control Angle	Yaw: -30°~30° Roll: -30°~30° Pitch: -90°~20°	Yaw: -180°~180° Roll: -30°~30° Pitch: -90°~30°	Yaw: -270°~270° Roll: -30°~30° Pitch: -120°~30°
Visible Light Camera Lens	FOV 104° Focal Length: 35mm equivalent to 24mm F/2.8	FOV: 75°*42° 3mm F2.2	FOV: W: 68.4°, T: 2.67° Focal Length: 6~180mm F/2.8
Infrared Lens	None	FOV: 39°*29° Focal Lens: 20mm F1.2 Motor-driven Lens	None
Other Functions	None	Thermometric Range -20°C~150°C (with thermometric analysis), Precision ±2°C or ±2% (5m distance)	None
Maximum Video Resolution	UHD: 4096*2160 @24fps	800*600 @25fps	UHD: 4096*2160 @30fps
Maximum Photo Resolution	4000*3000	800*600 Infrared Photography	12M: 4000*3000

Application

