

## Hexacopter Medium-sized Patrol Unmanned Aerial Vehicle MT 900 MTOW 25KG

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: MYT
- Model Number: MT 900
- Minimum Order Quantity: 1 units
- Delivery Time: 10 work days
- Payment Terms: L/C, T/T
- Supply Ability: 10000units per month



#### Product Specification

- Diagonal Wheelbase Of The1550mm  
Flight Platform:
- Maximum Wind Speed 20m/s  $\approx$  38.9 knots  
Tolerance:
- Endurance: 80min
- Maximum Payload: 10 KG
- Maximum Transmission  $\geq$ 10KM No Jamming  
Distance:
- Maximum Flight Speed: Furious Mode At 25m/s Standard Mode At 15m/s Safe Mode At 10m/s
- Working Temperature: -20 To 55
- Altitude Hold Assistance: Support
- Blade Loss Protection: Support
- Obstacle Avoidance System: Support
- Protection: IP54
- Max. Flight Altitude: 5000m

## Product Description

# Quadcopter Medium-Sized Unmanned Aerial Vehicle MT600

## 1, System Overview

**Outstanding Performance:** With a large wheelbase of 900mm, a maximum flight time of 56 minutes, a maximum control radius of 15km, a maximum flight speed of 25m/s, and a maximum payload capacity of 3kg, it meets the application needs of various scenarios.

**Day and Night Obstacle Avoidance, Meticulous Vision:** Integrated with binocular vision and infrared six-direction obstacle avoidance technology, the visual positioning system can hover stably without GPS and accurately perceive obstacles around the clock.

**Versatile Mounting, Powerful Functions:** The lower dual-gimbal and upper single-gimbal design supports a four-light gimbal camera, loudhailer, lighting, littering, and dozens of other payloads, meeting the needs of different industry scenarios.

**Rich Algorithms, Meet Operational Demands:** Supports face recognition, license plate recognition, multi-target recognition of people, vehicles, and ships, fire spot detection, and various other algorithms.

## 2, Functions

### Intelligent Mode

The drone supports convenient operation with multiple intelligent modes, including flight route, waypoint flight, circle (points of interest), and direction lock mode. The drone can takeoff automatically and enable intelligent mode, moving according to the pre-set route / waypoints and points of interest. When the mission is finished, the drone will return to base and land automatically.

### Security Mechanism

There are a series of security mechanisms which ensure safe and reliable drone operation. If the drone runs out of battery or moves out of the control range, it will signal an alarm and return to base automatically, triggering landing mode. E-Fence functionality makes setting flight boundaries easy, preventing the drone from flying into restricted areas.

### Quick Assembly and Disassembly

All parts of the drone, including the battery, payload, propellers, antenna, and aircraft arms can be quickly assembled and disassembled, ensuring immediate mission readiness as well as quick extraction.

### Accurate Positioning

Three satellite positioning systems used by the drone - GPS, Beidou, and GLONASS - ensure high accuracy positioning with  $\pm 1.5m$  horizontal and  $\pm 0.5m$  vertical accuracy. These three positioning systems also ensure near complete coverage of the global market.

### A variety option of payload

The drone supports to carry multiple payloads, such as visible light PTZ camera (4MP, 4K), IR thermal PTZ camera, loudspeaker, casting device, which is suitable for critical surveillance tasks such as power line inspection, forest fire detection, public event management, bridge security, and police detection.

### Ready for Drone Management Platform MS1000

The drone can access to management platform MS1000 via multiple methods. The platform enable people operate (auto takeoff and land, edit waypoints, etc.) many drones together remotely and trigger various payload functions.

## 3, Play Load



Visual Tri-Light (visible light, infrared, and thermal imaging) platform.

Multi-sensor Gimbal

Universal Aerial Mounting Board  
(Multi-light Source Gimbal)

Littering Loudhailer Gimbal

Diagonal Wheelbase Of the flight platform	1550mm
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Maximum Wind Speed Tolerance	20m/s $\approx$ 38.9(knots)
Endurance	60min
Maximum Payload	10KG
Maximum Transmission Distance	$\geq$ 10KM (No Jamming)
Working Temperature	-20 to 55
Altitude Hold Assistance	Support
Blade Loss Protection	Support
Obstacle Avoidance System	Support



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