

# EVO Max 4T XE

## Reach New Frontiers

The EVO Max 4T XE utilizes Autel Autonomy's autonomous flight technology, enabling global path planning, 3D scene reconstruction, autonomous obstacle avoidance, and return-to-home capabilities in complex environments. Its high-precision visual navigation system ensures stable and reliable flight in conditions of strong signal interference, signal occlusion, or weak signals. This drone introduces the industry's first A-Mesh networking technology, supporting the free networking of multiple devices for integrated air-ground network coverage. The combination of "binocular fisheye vision + millimeter-wave radar" multi-sensor fusion perception technology provides 720° all-round sensing and obstacle avoidance capabilities, allowing for all-weather operation. Equipped with the FusionLight camera 4T XE, it integrates a 4K 10x continuous optical zoom camera, an ultra-sensitive wide-angle camera, a thermal imaging camera, and a laser rangefinder, efficiently empowering public safety, energy inspection, emergency management, and setting a new benchmark for industry application drones.



All-Weather  
Obstacle Avoidance



Superior  
Anti-Interference Capability



High-Precision Visual  
Navigation



A-Mesh Self-Organizing  
Network



8K 10x Optical  
Zoom Camera



Hot-Swappable  
Battery



15-Kilometer  
HD Video Transmission



42 Minutes of Enduring  
Endurance



# EVO Max 4T XE

## Chase the Heat

### Laser Rangefinder

Measuring Range: 5-1200m (16.4–3737 ft)  
 Measurement Accuracy:  $\pm (1 \text{ m} + D \times 0.15\%)$   
 \* where D is the distance to a vertical reflecting plane

### Zoom Camera

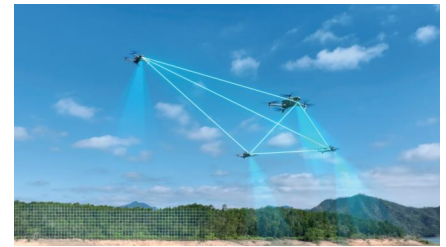
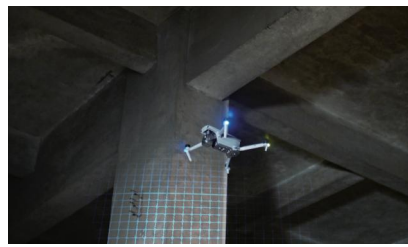
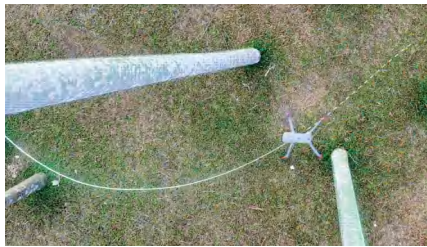
1/2" CMOS, 48MP  
 Aperture: f/2.8–f/4.8  
 10x Optical Zoom  
 160x Max. Hybrid Zoom  
 Video Resolution: 4000x3000 30P  
 Photo Size: 4000x3000, 8000x6000

### Thermal Camera

640x512  
 Focal Length: 9.1 mm  
 16x Digital Zoom  
 Range: -4 °F to 1022 °F  
 Accuracy:  $\pm 2^\circ\text{C}$  or reading  $\pm 2\%$

### Wide Angle Camera

1/2" CMOS, 48MP  
 Equivalent: 24 mm  
 Aperture: f/2.8  
 DFOV: 83.4°



## Autonomous Flight Planning

Equipped with Autel Autonomy's autonomous flight technology, collects environmental data in real-time to achieve global path planning, 3D scene reconstruction, autonomous obstacle avoidance, and return-to-home in mountainous, forested, and urban environments, empowering security, inspection, and surveying industries.

## High Precision Visual Navigation

Even in urban environments where satellite signals are obstructed or weak, it achieves high precision and low latency in distance and coordinate information. It utilizes SLAM visual navigation technology for high-precision indoor and outdoor navigation and stable flight.

## A-Mesh Networking

Introducing the industry-first A-Mesh networking technology, it enables free networking between drones and between drones and ground terminals, supporting various modes like "One Remote, Multiple Aircraft" and "Lead-Member Dual Control". Even across long distances, obstacles, mountains, or in no-network areas, it enables free networking within the network, collaborative operation, and breaks through the operational boundaries of conventional drones.

## Applications



Powerline Inspection



Emergency Search and Rescue



Law Enforcement



Geographical Surveying



Firefighting Rescue

## Specifications

Weight (including battery, gimbal camera, and propellers)	1635g
Dimensions	562*651*147mm (unfolded with propellers) 318*400*147mm (unfolded without propellers) 257*145*131mm (folded without propeller)
Maximum endurance time	42 mins
Maximum horizontal flight speed	23m/s

Maximum wind resistance	12m/s (27mph)
Operating frequency	900MHz / 2.4GHz / 5.2GHz / 5.8GHz
IP protection level	IP43 (*Custom service)
Image transmission distance	15 kilometers
GNSS	GPS / GLONASS / Galileo / BDS