AUTEL ROBOTICS

EVO Lite Enterprise Series
Lightweight Yet Mighty

EVO Lite Enterprise Series, by Autel Robotics, is characterized by its lightweight and compact design, making it remarkably portable. The A-Mesh networking capability supports collaborative dual-drone dual-control operations. Equipped with high-precision visual navigation capabilities, it supports stable flight even in environments with poor signal through SLAM technology. The EVO Lite 640T Enterprise Edition features a dual gimbal system, with a visible light camera providing clear and detailed images, while the thermal imaging camera aids in decision-making during operations. The EVO Lite 6K Enterprise Edition is equipped with a 1-inch CMOS visible light camera, offering outstanding sensitivity for excellent image quality. With the intelligent features of the professional flight app, it enables flexible single-person deployment and efficient application in scenarios such as public safety and emergency rescue.

Lightweight and Portable

Simple Control

AI Target Recognition and Positioning

6K Resolution

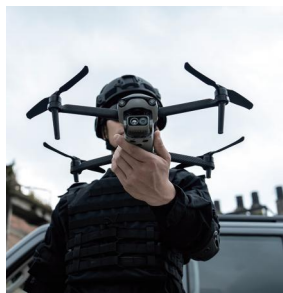640*512 Infrared Thermal Imaging

12km Video Transmission Range

Three-Way Binocular Vision Obstacle Avoidance

40-Minute Flight Endurance

S.W.A.T. POLICE

Lightweight and Portable

The EVO Lite Enterprise Series drones weigh only 866 grams and have folded dimensions of just 210*123*95mm, making them easy to carry in a backpack. With a 15-second quick launch and simple operation, and a 40-minute endurance capability, they are ideal for efficient execution of missions by a single operator.
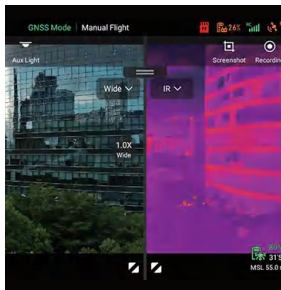
AI Target Recognition and Positioning

Utilizing wide-angle or infrared lenses combined with intelligent AI algorithms and a self-learning system, the aircraft can automatically recognize and locate up to 64 different objects, including people, cars, boats, and fireworks, projecting their positions on the map.
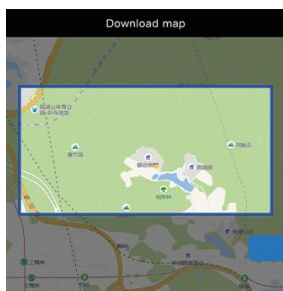
High-Definition Video Transmission

Equipped with Autel SkyLink image transmission technology for a dual-signal, dual-reception system, the image transmission anti-interference capability improved, and the transmission distance reaches up to 12 kilometers. It supports 2.4GHz/5.2GHz/5.8GHz adaptive frequency hopping transmission, automatically selecting the best channel based on electromagnetic interference, providing strong anti-interference capability.

Split-Screen Display

Visible light, infrared, or map support dual-channel simultaneous output on the screen, providing comprehensive information through comparison.

Customizable Toolbar

Customize the menu toolbar in the app for quick access to frequently used functions, meeting personalized usage needs.
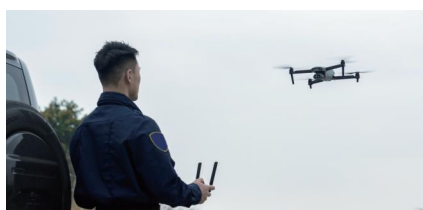
MSDK

The open Mobile SDK provides efficient, versatile, and easy-to-use control and service interfaces, enhancing development efficiency and enabling the creation of custom solution scenarios.

Applications

Law Enforcement

Security Patrol

Emergency Rescue

Technical Specifications

	EVO Lite 640T Enterprise	EVO Lite 6K Enterprise
Weight (including battery, gimbal camera)	866g	
Dimensions	433*516*95mm (unfolded with propellers)；210*123*95mm (folded without propellers)	
Max Flight Time	40min	
Flight Speed	18m/s	
Max Wind Resistance Level	Fresh breeze	
Operating Frequency	2.4GHz / 5.2GHz / 5.8GHz	
Max Transmission Distance	12km	
GNSS	GPS + GLONASS + Galileo	
Visible Light Camera	1/2 inch CMOS 48 million pixels F2.8 aperture 16x digital zoom Maximum photo size of 8000*6000 Maximum video resolution of 4K 30P	1-inch CMOS sensor 20 million pixels Adjustable aperture from F2.8 to F11 ISO support up to 48,000 (night mode) 16x digital zoom Photo resolutions of 5472*3076 / 3480*2160 Maximum video resolution of 4K 30P
Thermal Imaging Camera	640*512 resolution 9.1 mm focal length 16x digital zoom Temperature measurement range: -20°C to 150°C / 0°C to 550°C Temperature accuracy: ±2°C or ±2% of reading (whichever is greater)	/