

EVO Max 4N

Explore the Night

Armed with 720-degree obstacle avoidance and A-Mesh 1.0 networking support, the EVO Max Series is the next generation of intelligent, agile drones. The EVO Max 4N represents a night-ops-ready entry into the series, equipped with its starlight night vision, zoom and thermal cameras, as well as full laser ranging capabilities.

With its exceptional starlight camera, the drone can operate in lighting conditions as low as 0.0001 Lux, bringing unparalleled performance in the dark. Night surveys, emergency responses, and more - all possible with the EVO Max 4N.



15s
Takeoff



Lock Targets
& Track at Night



IP43
Weather Rating



Hot-Swappable
Batteries



Starlight
Night-Vision Camera



Navigation In GPS
Denied Environments



12.4 Miles
Transmission Range



42 Mins
Max. Flight Time

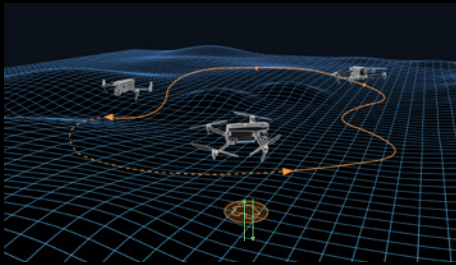


720° Obstacle Avoidance
No Blind Spots



A-Mesh 1.0
Multi-Drone Networking





Autonomous Path Finding

Autel's Autonomy Engine collects surrounding environmental data and plans 3D flight paths through complex environments such as mountains, forests, and buildings. Use cases include rapid 3D scene reconstruction, public safety oversight, industrial inspection, and land surveying.



No Blind Spots

EVO Max 4N combines traditional binocular vision systems with millimeter wave radar technology. This allows the EVO Max 4T's onboard Autel Autonomy Engine to perceive objects down to 0.5 inch, eliminating blind spots and enabling operation in low light or rainy conditions.



Nighttime Object Identification & Tracking

Featuring the Starlight and thermal cameras, the EVO Max 4N can identify and lock onto objects, such as heat sources, individuals in motion, and vehicles, enabling high-altitude tracking in extreme low light situations.

640x512

Thermal Resolution

0.0001 LUX

Starlight Camera

450,000

Max ISO

up to **0.75** mi

Laser Rangefinder

50 MP

Wide Camera

Thermal Camera

Equipped with 640 x 512 high-resolution thermal imaging camera, 30fps, and 16x digital zoom.

Starlight Camera

With an impressive 0.0001 LUX and ISO ranges from 100-450,000 it has the ability to lock and track targets at night. This camera is the ultimate tool to explore the night.



Laser Rangefinder

Tap a target to get the coordinates and distance rapidly from up to 0.75 miles away.

Wide Camera

Moonlight Algorithm 2.0 boosts post processing and allows the pilot to capture crisp, detailed images in low-light environments.
Video: Supports 4K 30fps, max ISO 64000.
Photo: Moonlight mode reduces noise and enhances HDR.

Specifications

Weight	3.62 lbs (1641g, battery and gimbal included)
Max Flight Time	42 mins
Dimensions	Unfolded (including propellers): 22.13 × 25.63 × 5.79 in Unfolded (excluding propellers): 12.52 × 15.75 × 5.79 in Folded (excluding propellers): 10.12 × 5.71 × 5.16 in
Flight Speed	51 mph
Max Wind Resistance	27 mph (Level 6)

Operating Frequency	2.4GHz/5.2GHz/5.8GHz/900MHz
IP Rating	IP43
Max Transmission Distance (unobstructed, free of interference)	12.4 miles (20km)
Obstacle Avoidance/ Sensing Range	Omnidirectional Sensing System/ Forward, Backward, Upward, Downward, Sideward: 0.2~50m

Applications



Law Enforcement



Fire and Rescue



Utilities and Infrastructure



Construction



Mining

*Feature will be available in a future firmware update.