Aircraft	
Takeoff Weight (Without Accessories)	2.45 lbs (1110 g)
Max Takeoff Weight	4.4 lbs (2000 g)
Diagonal Length	16.8 inches (427 mm)
Max Flight Time (no wind)	42 min（without accessories） 38 min（with strobe） 29 min（with spotlight） 34 min（with loudspeaker） 36 min（with RTK module）
Operating Temperature Range	14°F to 104°F (-10°C to 40°C)
Max Wind Speed Resistance	39 - 46 mph (17-20 m/s)
Operating Frequency	2.400 GHz - 2.4835 GHz； 5.725GHz - 5.850 GHz
Hovering Accuracy Range	Vertical: ± 0.1 m (with RTK) ± 0.1 m (with Vision Positioning) ± 0.5 m (with GPS Positioning) Horizontal: ± 0.1 m (with RTK) ± 0.3 m (with Vision Positioning) ± 1.5 m (with GPS Positioning)
Accessories	
Strobe	Power：Avg. 1.6W

Loudspeaker	Controllable Range：5000 m Light intensity：Min 50cd；Max 486cd；Avg. 290cd Power：Max 18W Decibel：120dB @ 1m；88dB @ 60m；70dB @ 110m； Max Bitrate：36kbps
Spotlight	Adjustable Angle Range：0°~45° Power：Max 35W Controllable Range：30 m Adjustable Angle Range：0°~90° Illuminance：FOV17°, Max：11lux @ 30m Straight
Thermal Camera	
Infrared camera sensor	Uncooled VOx Microbolometer
Sensor resolution	640x512
Pixel pitch	12 μm
Wavelength range	8～14 μm
focal length	13mm
FOV	H33°V26°
Zoom	1 ~ 8x
Camera resolution	Infrared mode: 640*512 Picture in Picture: 1920*1080, 1280*720
Photo shooting mode	Single shooting, continuous shooting, time-lapse shooting
Video Resolution	640*512 30fps
Video format	MOV / MP4 (support H.264/H.265)
Temperature measurement accuracy	±3℃ or ±3% of reading (whichever is greater) @ambient temperature -20℃~60℃
Temperature range	High gain mode: -20° to +150°C Low gain mode: 0° to +550°C

Accurate temperature measurement distance	2-20 meters
Camera	
Image Sensor	1/2" CMOS
Pixels	48MP
Perspective	79°
Lens	EFL: 25.6 mm Aperture: f/2.8–f/11 Focus Distance: 0.5m to any distance (with autofocus mode)
ISO Range	Video: 100-6400 (auto) Photo: 100-3200 (auto)
Zoom	1-8x (Max 4x lossless)
Still Photography Modes	Single Shot Burst: 3/5 shots Auto Exposure Bracketing (AEB) Time-lapse: 3/5 shots
Still Photography Resolution	8000*6000 (4:3) 7680*4320 (16:9) 4000*3000 (4:3) 3840*2160 (16:9)
Video Format	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Video Resolution	8K 7680*4320 p25/p24 6K 5760*3240 p30/p25/p24 4K 3840*2160 p60/p50/p48/p30/p25/p24 2.7K 2720*1528 p120/p60/p50/p48/p30/p25/p24 1080P 1920*1080 p120/p60/p50/p48/p30/p25/p24
Max Bitrate	120Mbps
Sensing System	
Sensing System Type	Omnidirectional Binocular Sensing System
Forward	Accurate Measuring Range: 0.5 - 20m Detection Range: 0.5 - 40m Effective Sensing Speed: < 15 m/s FOV: Horizontal: 60°, Vertical: 80°
Backward	Accurate Measuring Range: 0.5 - 16m

Upward	Detection Range: 0.5 - 32m Effective Sensing Speed: < 12 m/s FOV: Horizontal: 60°, Vertical: 80° Accurate Measuring Range: 0.5 - 12m
Downward	Detection Range: 0.5 - 24m Effective Sensing Speed: < 6 m/s FOV: Horizontal: 65°, Vertical: 50° Accurate Measuring Range: 0.5 - 11m
Sides	Detection Range: 0.5 - 22m Effective Sensing Speed: < 6 m/s FOV: Horizontal: 100°, Vertical: 80° Accurate Measuring Range: 0.5 - 12m
Service Environment	Detection Range: 0.5 - 24m Effective Sensing Speed: < 10 m/s FOV: Horizontal: 65°, Vertical: 50° Textured/patterned ground and adequate illumination (> 15 lux, normal indoor environment with fluorescent lamp on) Upward: diffuse reflecting surface with reflectivity above 20% (wall, tree, human, etc.) Downward: textured/patterned ground and adequate illumination (> 15 lux, normal indoor environment with fluorescent lamp on) Upward: diffuse reflecting surface with reflectivity above 20% (wall, tree, human, etc.)
Gimbal	
Operation Range	Pitch: -135° to +45° Yaw: -100° to +100°
Operation Range	Pitch: -90° to +30° Yaw: -90° to +90°
Stability	More Stable with 3 Axies
Max Control Speed (Tilt)	300°/s
Angular Vibration Range (°)	±0.005°
Remote Controller and Transmission	

Max Signal Transmission Distance	5.5 miles (9km) FCC, 3,1miles (5km) CE
Working Frequency	2.4~2.4835GHz
Transmission Power	2.4~2.4835GHz FCC/ISED：≤27dBm SRRC/CE/MIC/RCM：≤20dBm
Real-Time Transmission Quality	720p@30fps / 1080p@30fps
Max Bitrate of Real-time Transmission	40Mbps
Remote Controller Battery	5000mAh
Operating Hours	3h
Charging Time	2h Fast Charging
Display	3.26-inch OLED screen 854 (W)*480 (H) pixels Preview video without the need for connecting to a mobile phone
Battery	1.7A@3.7V

Battery	
Battery (mAh)	7100mAh
Voltage (V)	11.55
Transmission Power (2.4G)	13.2
Battery Type	LiPo 3S
Battery Energy	82Wh
Weight (g)	365
Charging Temperature Range (°C)	5~45℃
Storage Temperature & Humidity	-10~30℃，65±20%RH
Recommended Storage Temperature	22~28℃

Max Charging Power Consumption (W)	93W
Charging Time	90min
Charger	
Input	100-240 V, 50/60 Hz, 1.5A
Output	13.2 V ⎓ 5 A 5V⎓3A 9V⎓2A 12V⎓1.5A
Voltage	13.2 ± 0.1 V
Rated Power	66 W
APP	
iOS	Autel Explorer
Android	Autel Explorer
Storage	
SD Storage	Standard: 32 GB, max. support 256GB （UHS-3 rating required）
Internal Storage	8GB