AUTEL
ROBOTICS

EVO II Pro V3

Leader In Picture Quality
And Flight Intelligence

1″ sensor   **6K** ULTRA HD   **15** KILOMETRE   **360°** OBSTACLE AVOIDANCE

6K ULTRA HD

Exceptional Image Quality

With Sony's new 20 megapixel 1 inch CMOS image sensor, the EVO II Pro V3 supports up to 6K video resolution with greater dynamic range, stronger noise suppression, higher frame rates. The lens's adjustable aperture range of f2.8 to f11 and a maximum ISO of 44000 enables the photographer to enhance their control and creative freedom.

1-Inch
CMOS

20MP
Photo

6K/30FPS
Video

F2.8~F11
Apeture

Moonlight Algorithm 2.0

Succeed in night photography with EVO II Pro V3's 6K 1" CMOS and Autel Robotics' Moonlight Algorithm 2.0.

4K HDR Video

For the ultimate in picture quality, the EVO II Pro V3 pairs the brilliance of 4K clarity with the brightness, colour and detail of HDR. Previously hidden areas of dark shadow and sunlight are now full of clarity and details.

Post-Production Flexibility with 12-bit DNG

The EVO II Pro V3 can take 12-bit DNG photos and is capable of recording up to 68.6 billion colors with 64 times the color rendering power of 10-bit, allowing greater flexibility in post-production.

Hyper-Lapse Photography in 6K

You can enjoy your favorite moments at any time, free from post-processing as 6K mobile time-lapse as video can be exported right after recording, and JPEG/RAW format are also supported.

Autel SkyLink 2.0

The EVO II Pro V3 is upgraded with Autel's all new SkyLink 2.0 Video Transmission technology.

15KM
Fly farther with HD video transmission up to 15km.

QHD
Obtain critical details with QHD video within 1km.

2.4G/5.8G/900MHz
Support tri-band communication and can automatically frequency hop for maximum anti-interference capability.

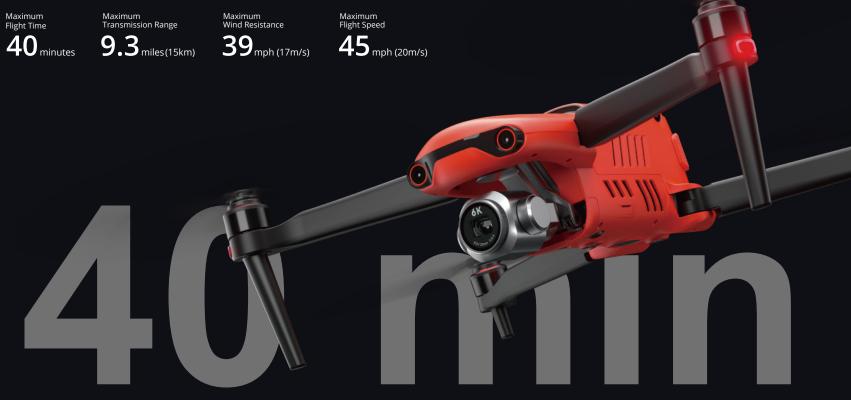*900MHz is only applicable for FCC countries.

360° Obstacle Avoidance

Equipped with 19 groups of sensors including 12 visual sensors, the main camera, ultrasound, IMUs and other sensors enable building of three-dimensional maps and path planning in real time.

*Please refer to the manual for details on obstacle avoidance and its limitations, which may or may not work in limited lighting environments, under direct strong sunlight, or across thin tree branches or wires.

Maximum Performance
Endless Possibilities

Maximum Flight Time
40 minutes

Maximum Transmission Range
9.3 miles (15km)

Maximum Wind Resistance
39 mph (17m/s)

Maximum Flight Speed
45 mph (20m/s)

40 min

Autel Smart Controller SE

Smart Controller SE comes with an 6.4-inch OLED touch screen and latest gen 8-core processor for HD image transmission. SkyLink 2.0 Transmission technology guarantees long-distance operations from up to 15km away and enhances anti-interference abilities with triple band frequency hopping. The customized Android system allows for additional flexibility with 3rd party apps and an IP43 rating ensures all weather performance.

6.4-Inch
OLED Screen

15km
Transmission Range

Removable Battery

3rd Party Apps

-10°C to 40°C
Operating Temperature

Live Deck 2: Stream Anywhere

EVO II Pro V3 supports multi-port HDMI real-time output to meet the requirements of projection monitoring and live streaming with Live Deck 2.

1080P/60FPS Video Stream

Three Auto-Switch Bands

12km
Transmission Range

5-Hour Battery Life

IP43 Resistance

Specifications

Aircraft	
Takeoff Weight	1191 g
Wheelbase	397 mm
Size (L*W*H)	230*130*108 mm (folded) 260*355*108 mm (unfolded)
Maximum Service Ceiling Altitude	7000 m
Max Horizontal Flight Speed	20 m/s
Max Flight Time (No Wind)	40 min
Operating Temperature Range	-10℃ ~ 40℃
Maximum Resistance to Wind	Level 8
Hovering Accuracy	Vertical: ±0.1 m (when the visual positioning is working normally); ±0.5 m (when GPS works normally) Horizontal: ±0.3 m (when the visual positioning is working normally); ±1.5 m (when GPS works normally)
GNSS	GPS/Beidou/Glonass/Gallieo

RC and Image Transmission	
Operating Frequency	902-928 MHz (FCC only) 2.400-2.4835 GHz 5.725-5.850 GHz (non-Japan) 5.650-5.755 GHz (Japan only)
Transmission Power	FCC: ≤33dBm CE: ≤20dBm@2.4G, ≤14dBm@5.8G SRRC: ≤20dBm@2.4G, ≤33dBm@5.8G/5.7G
Max Transmission Distance (Unobstructed, Free of Interference)	FCC: 15 km CE: 8 km
Display Screen	2340x1080 60fps
Battery	1900 mAh
Operating Time	~2 hours (max. brightness) ~4 hours (50% brightness)
Charging Time	90 minutes
Internal Storage	ROM 128 GB + expandable storage via micro-SD card

Camera

Sensor	1 inch CMOS; 20M pixels	Maximum Photo Size	5472*3648 (3:2) 5472*3076 (16:9) 3840*2160 (16:9)
Lens	FOV: 82° 35 mm format equivalent focal length: 29 mm Aperture: f/2.8 - f/11 Focus range: 0.5 m to infinity	Image Format	JPG/DNG/JPG+DNG
ISO Range	Video: 100-44000 Photos: 100-6400	Photo Mode	5472x3076P30/P25/P24 3840x2160P60/P50/P48/P30/P25/P24 2720x1528P60/P50/P48/P30/P25/P24 1920x1080P60/P50/P48/P30/P25/P24
Shutter Speed	Photo mode: 1/8000 ~ 8s Other: 1/8000 ~ 1/frame rates		
Zoom	1-16x (up to 3x lossless zoom)	Video Format	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Photo Mode	Single shot/Burst shooting/AEB/ Time lapse/HDR	Max Bitrate	120 Mbps

AUTEL
ROBOTICS

www.autelrobotics.com