

EVO II Pro  
Enterprise V3

Camera



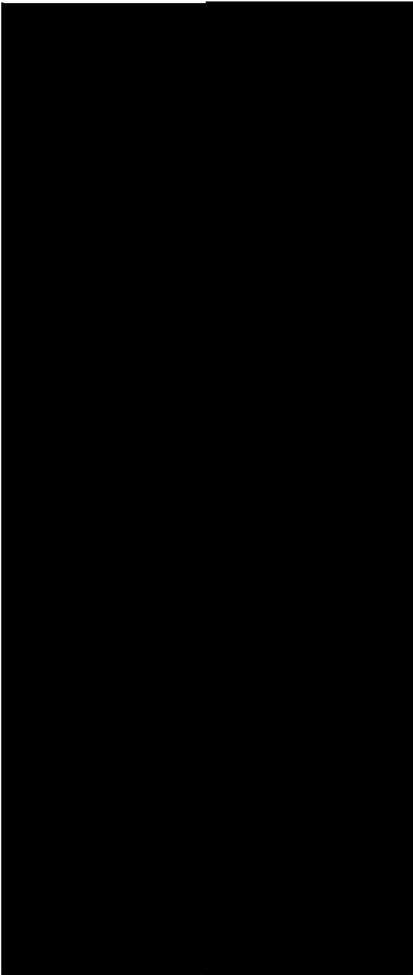
Image Transmission

Aircraft	PART 1
	1
	2
	3
	4
	PART 2
	1
	2

Modular Accessories



Aircraft	Diagonal Length
	Max Flight Time (no wind)
	Operating Temperature
	Wind Resistance
	Hovering Accuracy Range
RC and Image Transmission	Max Transmission Distance (unobstructed, free of interference)
	Display screen
	Operating time
	Charging time
	Internal Storage
EVO II Pro Enterprise V3 Camera	Sensor
	Lens
	ISO range
	Zoom
	Maximum photo size
	Photo mode



Accessories	Loudspeaker
	Strobe
	Spotlight

## **EVO II Pro Enterprise**

### **All New 6K 1" CMOS Camera**

See clearer with Sony's new 20 megapixel 1 inch CMOS image sensor, the EVO II Pro Enterprise V3 supports up to 6K video resolution with greater dynamic range, stronger noise suppression, and higher frame rates.

### **Aperture Range of F2.8 to F11**

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.

### **Excel in Low Light**

EVO II Pro Enterprise V3 brings you Autel's Moonlight Algorithmn 2.0 with additional noise reduction processing. Paired with V3's upgraded CMOS, succeed in operations with minimal lighting or in harsh lighting situations at night.

### **Zoom in for the Details**

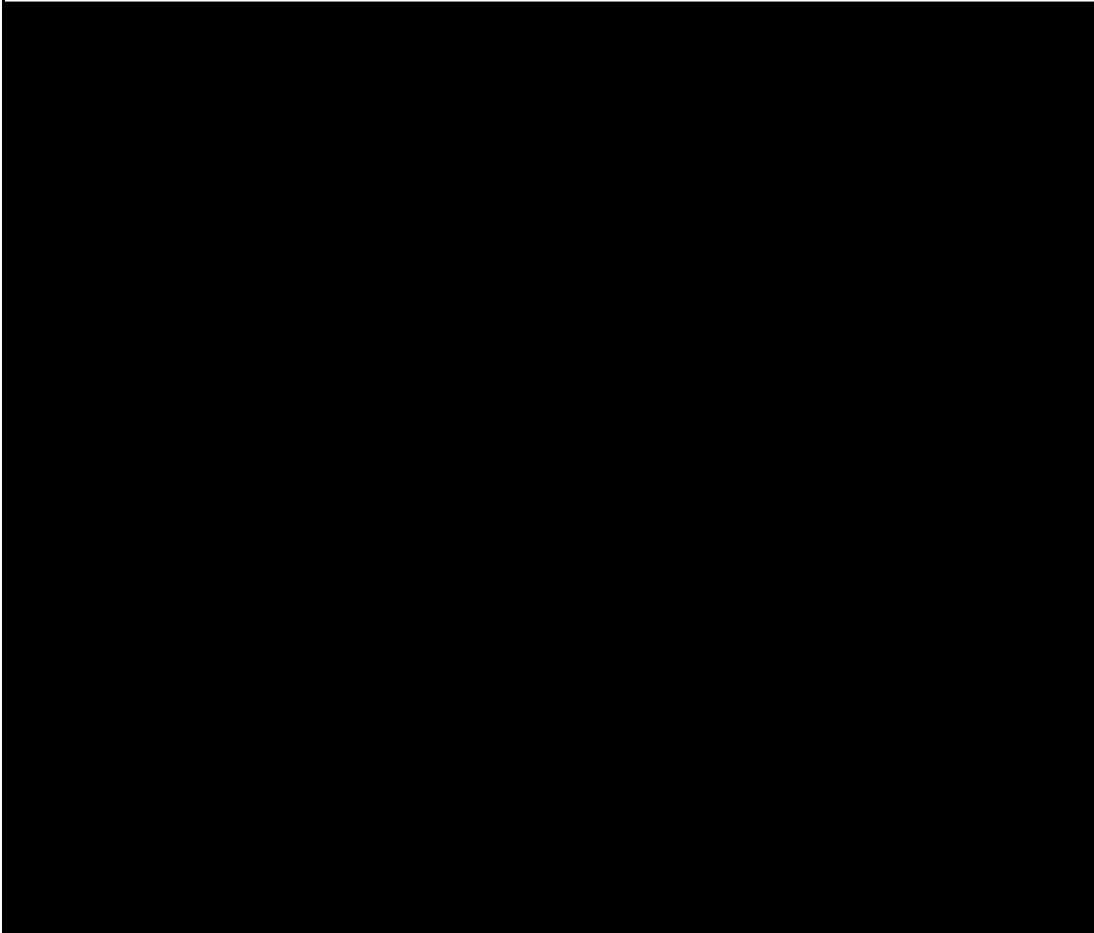
EVO II Pro Enterprise V3 supports 3x lossless zoom and 16 times digital zoom. Obtain clear intel from farther away without suspicion.

### **Accident Reconstructon**

EVO II Pro Enterprise V3 is excellent for rapid accident reconstruction with built in mission planning, and is compatible with Pix4d, Drone Deploy and Skyebrowse.

### **Greater Dynamic Range with 4K HDR**

4K HDR offers greater detail in highlights and shadows, providing higher-quality images from the most demanding environments.



## **SkyLink 2.0 Video Transmission**

The EVO II Enterprise 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 working frequency is only applicable for FCC countries.

## **Dedicated Enterprise Airframe**

### **42 Minutes of flight time**

Large propellers and revised flight algorithms gives the EVO II Enterprise V3 the longest flight time in its category.

### **Extended Thermal Vents**

EVO II Enterprise V3 has additional thermal vents for additional heat dissipation, prolonging battery life.

### **Longer Carbon Fiber Arms**

EVO II Enterprise V3's Carbon Fiber Arms and longer propellers provide additional rigidity and flight stability to the EVO II Enterprise Platform.

### **Quieter Acoustic Signature**

Fly closer without being noticed with EVO II Enterprise V3's new propeller design. The Enterprise is inaudible to the ear at around 190 meters high (623 ft).

## **Safety in Design**

### **360° Obstacle Avoidance**

Equipped with 12 visual optical sensors, which integrates 19 sets of sensors including the main camera, ultrasonic wave, and IMU to build a three-dimensional map of the drone and its surroundings in real time. The sensors are strategically placed to minimize blindspots on the drone so EVO II Enterprise V3 can automatically stop near obstacles.

\*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.

### **ADS-B Receiver**

Detects the presence of any manned aircraft nearby emitting an ADS-B signal, giving the operator enough time to take evasive measures to avoid mid-air collisions.

## **Mission Versatility**

With an expanded selection of accessories at its disposal, the EVO II Enterprise V3 can evolve from a simple imaging tool to a multifunctional flight platform that can adapt to different scenarios.

### **Strobe**

Indicate the location of the aircraft at night to avoid air traffic accidents. Compliant with FAA regulations for night flying, visible over 3 Miles away.

### **Loudspeaker**

Enables effective on-site communication through long-distance live broadcasts and prerecorded audio loops.

### **Spotlight**

Beams a powerful, long-distance aerial light when searching or shooting at night.

### **RTK Module (Optional)**

Provides centimeter-accurate positioning data for mapping and reduces electromagnetic interference for flying near critical structures.

### **Autel Smart Controller V3**

Smart Controller V3's 7.9-inch, 2000nit high-brightness screen is clearly visible even under direct sunlight. 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.

7.9-inch HD Touch Screen, 2000nit Maximum Brightness, 4.5-Hour Long Battery Life, -20°C to 40°C Operating Temperature, IP43 Resistance

### **Broadcast with Live Deck 2**

Broadcast live mission intel to other personnel in the operation for enhanced situational awareness and critical decision making. The EVO II Enterprise V3 is compatible with Live Deck 2, which offer multiport streaming to monitors and Wifi support for multiple smart phones.

1080P/60FPS Video Stream; Three Auto-Switch Bands; 12km Transmission Range; 5-hr Battery Life; IP43 Resistance

## **Applications**

### **Public Safety**

Assess threats from a safe distance, patrol an area during an investigation, or gather intelligence.

### **Traffic Supervision**

Monitor traffic flow over a larger area and crack down on traffic violations to improve safety for everyone on the road.

### **Power Inspection**

Zip between transmission towers to quickly spot structural damage or overheating electrical elements, saving time and labor costs.

### **Firefighting**

Soar above the flames to identify hotspots, locate victims, and monitor changing conditions, reducing the risk for crew members on the ground.

### **Search and Rescue**

Quickly locate missing persons by using automated mission modes to cover larger search areas in situations where every second counts.

### **Mapping**

Create cost-effective 3D maps of an area using high-resolution images up to 2cm GSD\* with an vertical accuracy of 1cm and a horizontal accuracy of 1.5cm.

## **Specifications**

EVO II Pro Enterprise V3: 2.45lbs (1110g)

EVO II Dual 640T Enterprise V3: 2.51lbs (1136.5g)

16.8in (427mm)

42min (without accessories)  
38min (with strobe)  
29min (with spotlight)  
34min (with loudspeaker)  
36min (with RTK module)

14°F to 104°F (-10°C to 40°C)

39mph (17m/s)

vertical:

± 0.3ft (0.1m) (with RTK)

± 0.3ft (0.1m) (with Vision Positioning)

FCC: 15km

CE: 8km

2048x1536 60fps

~3 hours (Max. Brightness)

~4.5 hours (50% Brightness)

120 minutes

ROM 128GB

1 inch CMOS; 20M pixels

FOV: 82°

35 mm format equivalent focal length: 29 mm

Aperture: f/2.8 - f/11

Focus range: 0.5 m to infinity

Video: 100-44000

Photo: 100-6400

1-16x (up to 3x lossless zoom)

5472\*3648 (3:2)

5472\*3076 (16:9)

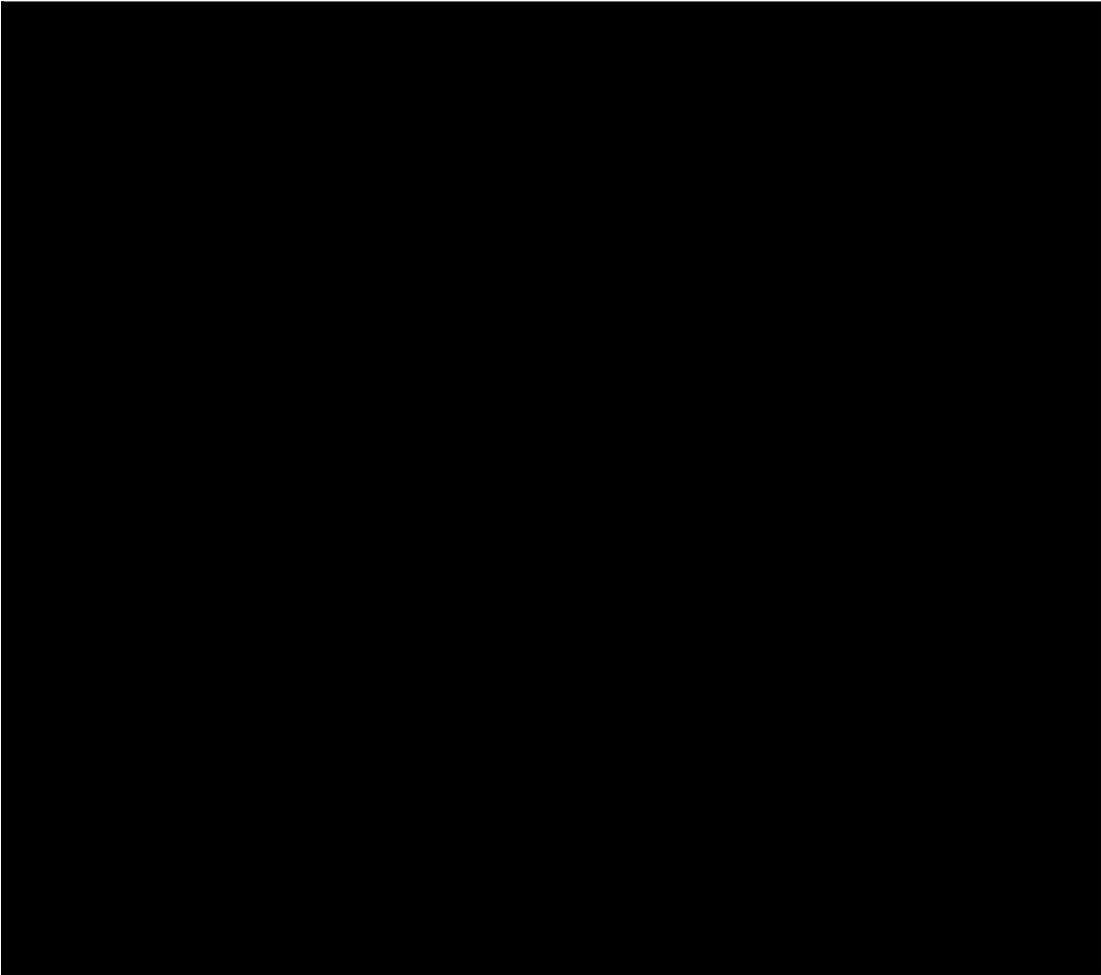
3840\*2160 (16:9)

5472x3076P30/P25/P24

3840x2160P60/P50/P48/P30/P25/P24

2720x1528P60/P50/P48/P30/P25/P24

1920x1080P60/P50/P48/P30/P25/P24



Power: Max 18W  
Decibel: 120dB @ 1m; 88dB @ 60m; 70dB @ 110m;  
Max Bitrate: 36kbps  
Adjustable Angle Range: 0°~45°

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Power: Avg. 1.6W  
Controllable Range: 5000m  
Light intensity: Min 50cd; Max 486cd; Avg. 290cd

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Power: Max 35W  
Controllable Range: 30m  
Adjustable Angle Range: 0°~90°  
Illuminance: FOV14°, Max: 11lux @ 30m Straight

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