

# EVO II Series V3

## Made for Mapping



## A Perfect Solution for **Surveying** and **Mapping**



### 9.3 mi Range

Expand the possibilities for your most critical workflows with a 9.3 mile transmission range.



### 360° Obstacle Avoidance

Equipped with 19 groups of sensors, including 12 visual sensors, the main camera, ultrasound, and IMUs.



### Limited Geofencing

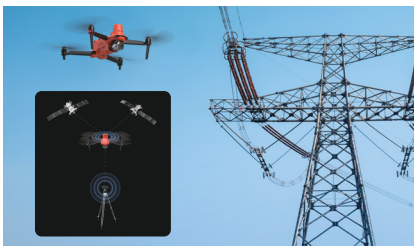
Enterprise pilots are able to take off and land at most locations, including some no fly zones.



### Team-Oriented

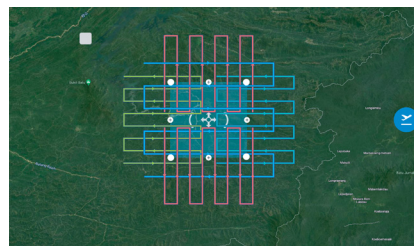
Keep other units "in-the-know" using streaming from Live Deck 2 with secure AES-128 data encryption.

## Take Your Work **Further**



### RTK Accuracy

The **Real-Time Kinetic (RTK) module** pairs with a ground station and NTRIP satellite system to provide extra precision when every centimeter counts.



### Advanced Automation

The EVO II V3 is capable of performing missions autonomously, and with the new chipset's increased range and anti-interference capability, you can fly further and see more with less effort.



### SkyLink 2.0

SkyLink 2.0 gives increased range and better anti-interference capability. Operators can control every aspect of their drone, even in high-interference environments like cities and cell towers.

*\*Feature will be available in a future firmware update.*

# Secure by design, not an order



### Privacy Protection

Information must be physically accessed via the aircraft and is protected by AES-128 encryption.



### No Forced Updates

EVO II Pro V3 does not need to be on the latest firmware or app version in order to take off.



### Anti-Jamming

Algorithms built in to counter RFI for peace of mind in flight.



### ADS-B In\*

Receives flight information on nearby aircraft to support airspace deconfliction.

*\*RTK and Enterprise models only.*

## Payload Options

### 20MP

1" CMOS Sensor

### 12-Bit

DNG Photos

### 6K

Ultra HD Video

### f/2.8-f/11

Adjustable Aperture



### 640x512

Thermal Resolution

### 50MP

1/1.28" RYYB CMOS Sensor, 4K HDR

### 4x/16x

Lossless/Digital Zoom

### 9.3 miles

Transmission Range

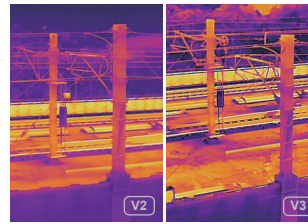
## Advanced Capabilities



### Better Lowlight Performance

New to the **EVO II V3 series**, **Moonlight Algorithm 2.0** boosts lowlight performance, letting users get crisp images while flying indoors or at late hours.

- Reduce the need for expensive thermal cameras
- Operate at later or earlier hours, indoors, or in other lowlight conditions
- Compatible with EMLID and other post-processing softwares



### Enhanced Thermals

The **V3 chipset** gives increased processing power that lets the 640x512 thermal camera take crisper images, allowing operators to see more details at all ranges.

- Read exact temperatures with the radiometric mode
- View specific ranges with the isothermic option
- Thermal overlay gives a full-spectrum view of an area being surveyed

## Specifications (Based on EVO II Pro V3)

<b>Weight</b>	2.63 lbs (1191g, battery and gimbal included)
<b>Max Flight Time</b>	40 mins (EVO II Pro - no wind)
<b>Dimensions</b>	<b>Folded:</b> 9.1" x 5.1" x 4.3" <b>Unfolded:</b> 18" x 22" x 4.3"
<b>Flight Speed (Ludicrous)</b>	45 mph
<b>Max Wind Resistance</b>	27 mph (Level 6)

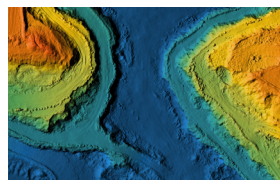
<b>Operating Frequency</b>	2.4GHz/5.2GHz/5.8GHz/900MHz
<b>Operating Temp Range</b>	14° F to 104° F
<b>Max Transmission Distance</b> (unobstructed, free of interference)	9.3 miles (15km)
<b>Obstacle Avoidance</b>	Omnidirectional Binocular Visual Sensing



**Land Surveying, & Development**



**Cadastral Maps**



**Topographical Surveys**



**Precise Measurements**



**Urban Planning**

*\*Feature will be available in a future firmware update.*