EVO II Dual

Designed with portability and reliability in mind, EVO II Dual is the tool that gets the job done. Complete with a high-resolution 8K sensor and thermal imaging up to 640x512 made possible with the FLIR Bosson sensor, EVO II Dual relays the most critical information back to the pilot. With features including Visible Light mode and Picture in Video, first responders, contractors, and business owners now operate efficiently, safely, and are more effective.

Included with EVO II Dual is a smart controller featuring a built-in 3.3-inch OLED display, eliminating the need for a mobile device. With a four-hour battery life and an ergonomic, compact design, pilots can easily pack and fly on the go.

FEATURES

Records unmatched 8K HDR video and IR

Flight times up to 40 minutes

Captures dynamic 48MP stills

Allows for the camera to be interchanged without replacing the entire system

12 image sensors create a 3D world for omnidirectional obstacle avoidance

2.4Ghz antennas for up to a 9km range and better reception in urban areas

TYPES OF USE

FIRST RESPONDERS

EVO II Dual transmits the most crucial information back to the pilot and allows for Live Deck backward compatibility so your team can make informed decisions in the most stressful of circumstances. From case to air in under 30 seconds with no flight restrictions, no forced updates, and no repeat calibrations, first responders can make every second count.

INVESTIGATORS

Several features of EVO II Dual makes it an excellent tool for investigators who build their cases based on accuracy. With the ability to produce 8K 24fps RGB video and up to 640x512 30Hz thermal recording, investigators can view and capture a 360-degree view of the site on EVO II Dual's remote controller.

CONSTRUCTION

In the industry of engineers, contractors, and project managers, it's essential that your drone works as hard as you do and can capture even the smallest details in real-time. Features such as EVO II Dual's Picture in Picture Mode can record up to 1080p at 30fps and overlays thermal imaging to standard RGB footage, allowing the pilot to view both simultaneously.

AIRCRAFT

Takeoff Weight	2.5 - 2.6 lbs
Max Payload (camera attached)	2 lbs
Folded Dimensions	L 9 x W 4.6 x H 4.4 in
Max Speed	Standard: 33.6 mph Ludicrous: 45 mph
Max Service Ceiling	4.35 miles (22,968 ft)
Max Flight Time	Hover: 35min Moving: 40min
Transmission Type	FCC: 2.4GHz ALink
Max Transmission Distance	5.6 miles (29,528 ft)
Storage	Internal: 8GB Max SD: 128GB
Battery Type	LiPo 3s
Battery Size	7,100mAh
Controller Screen	3.3in OLED 330 Nits
Controller Battery	5,000 mAh

SENSING SYSTEM

Sensing Type	12 Omnidirectional computer vision sensors
Detection Range	Forward: 1.62 - 131 feet Downward: 1.62 - 72 feet Backward: 1.62 - 105 feet Sides: 1.62 - 79 feet Upward: 1.62 - 79 feet
FOV	Forward: Horizontal 60° / Vertical 80° Backward: Horizontal 60° / Vertical 80° Upward: Horizontal 60° / Vertical 50° Downward: Horizontal 60° / Vertical 50°

CAMERA PAYLOADS

	EVO II 8K	EVO II Pro 6K	EVO II Dual
Sensor	Sony IMX586	Sony IMX383	FLIR Boson + Sony IMX586
Max Resolution	Stills: 8,000 x 6,000 px Video: 7,680 x 4,320 px	Stills: 5,472 x 3,648 px Video: 5,472 x 3,076 px	Stills: 8,000 x 6,000 px IR: 640 x 512 px
Format	MOV/MP4	MOV/MP4	MOV/MP4
Codec	H.264/H.265	H.264/H.265	H.264/H.265
HDR Support	Yes	Yes	Yes
AF Support	Yes	Yes	Yes
Defog	Yes	Yes	Yes (8k camera only)
Histogram	Yes	Yes	Yes (8k camera only)
10-Bit Log	Yes	Yes	Yes (8k camera only)
Aperture	f1.8	f2.8-f/11	f1.8 (8k camera only)
Zoom	1-8x (4x lossless)	1-8x (3x lossless)	1-8x (4x lossless)
ISO Range	Video: 100 - 3200 Photo: 100 - 3200	Video: 100 - 6400 Photo: 100 - 12800	Video: 100 - 3200 (8k camera only) Photo: 100 - 3200 (8k camera only)
Video Modes	8K / 25fps 4k / 60fps	6K / 30fps 4k / 60fps	8K / 25fps (8k camera only) 4k / 60fps (8k camera only) FLIR 640p / 30fps
Max Video Bitrate	120Mbps	120Mbps	120Mbps
Photo	48 MP	20 MP	48 MP (8k camera only)

AUTEL
ROBOTICS