

ENZO

THERMAL



PRO





General Performance

1. Aircraft Specifications

Feature	Detail
Maximum Takeoff Weight	1050g
Ascent Speed	6m/s(NormalMode)8m/s (SportMode)
Descent Speed	6m/s(NormalMode)8m/s (SportMode)
Horizontal Flight Speed	15m/s(NormalMode)Forward: 21m/s Sideways:20m/s Backward:19m/s (SportMode)
Wind Resistance	12m/s
Max Takeoff Altitude	6000m(UnloadedFlight)
Flight Time	45 mins (ideal windless conditions)
Hover Time	40 mins (ideal windless conditions)
Max Range	15km/8km CE/SRRC/MIC
GNSS Support	GPS + Galileo+ BeiDou +GLONASS (RTKenabled)
RTK Positioning Accuracy	Horizontal:1cm+1PPM Vertical:1.5cm+1PPM
Operating Temperature	-10°C to 40°C

Gimbal Camera System

Visible Light Camera

Sensor	1/2" CMOS (48MP Effective)
Lens	84° FOV 4.6mm Equivalent Focal Length
Aperture	F/2.8
Focus Range	2m to Infinity
ISO Range	100-25600
Shutter Speed	8s to 1/8000s (Electronic)
Photo Modes	Single Shot: 12MP/48MP Timed Shooting: 2-60s Intervals
Video	4K: 3840x2160@30FPS (85Mbps) FHD: 1920x1080@30FPS (30Mbps)
Formats	JPEG (Photo) MP4/H.264 (Video)



Thermal Imaging Camera

Sensor Type	Uncooled Vanadium Oxide (VOX)
Resolution	640×512@30FPS
Lens	61° DFOV40mm Equivalent
Aperture	F/1.0
Focus Distance	5m to Infinity
Thermal Sensitivity	<50mK@F1.1
Measurement Range	20°C to 150°C(High Gain) 0°C to 500°C(Low Gain)
Accuracy	±2°C or 2%(Whichever Greater)
Color Palettes	10 Options Including White Hot, Black Hot, Rainbow
Digital Zoom	10X
IR Wavelength	8-14μm





Gimbal Specifications

Stabilization	3-Axis Mechanical(Pitch, Roll,Pan)
Movement Range	Pitch: -135°to +45°Roll: -45° to+45° Pan: -27° to+27°
Control Speed	100°/s (Pitch)
Angle Jitter	±0.007°

Remote Controller

Display	5.5" 1920x1080(1000 nits)
Touch Interface	10-Point Multi-Touch
Battery	5000mAh (3Hours Runtime)
Transmission	15km (FCC)8km(CE/SRRC/MIC)
Frequency Bands	2.4GHz &5.725-5.850GHz
Antennas	4 (2T4RConfiguration)
Video Output	Mini-HDMI
Operating Temp	-10°C to 40°C