

Gremsy Vio



Gimbal

Angular Vibration Range	±0.01°
Maximum Controlled Rotation Speed	Tilt: 100°/s Pan: 100°/s Roll axis: 100°/s
Mechanical Endpoint Range	Tilt: ± 143° Pan: ±320° Roll: -260° to 80°
Controlled Rotation Range	Tilt: ±120° Pan: ± 310° Roll: ± 45
Operating Temperature	32°F – 122°F

Camera

Sensor	Exmor R CMOS sensor
Sensor Size	0.4"
Photo Resolution	8.51 megapixels
Lens	4.4mm to 88.4mm
Zoom	Optical: 20x Digital: 12x Super Resolution: 30x
Image Size	3840 x 2160
Photo Format	JPEG
Video Resolution	3840 x 2160 @ 30 fps 1920 x 1080 @ 60fps
Video Format	MP4
Aspect Ratio	Photo: 16:9
Field of view (FOV)	Wide: 72° Telephoto: 4.1°
Shutter Speed	1/30 to 1/2000s
Exposure Settings	Auto, Shutter speed, Iris, Bright, Manual
White Balance	Auto, Indoor, Outdoor
Zoom Mode	Combined, Separate, Super Resolution

Thermal

Sensor	Uncooled Vox Microbolometer
Array Format	640x512
Frame Rate	60Hz
Pixel Size	12 µm
Thermal Spectral Range	8-14 µm
Scene Temperature Range	to 140 °C (high gain) to 500 °C (low gain)
Lens Options	Fixed Focus, 32° (HFOV) 14 mm (EFL)
Digital Zoom	1x to 8x zoom
Resolution	Photo: 640x512 Video: 640x512 @ 60Hz
Format	Photo: JPEG Video: MP4
Thermal Sensitivity (NETD)	Professional: ≤50 mK
Radiometry	Yes, overlay on the runtime video

IR Laser Rangefinder

Angular Vibration Range	±0.01°
Maximum Controlled Rotation Speed	Pan axis: 100°/s Tilt axis: 100°/s Roll axis: 100°/s
Mechanical Endpoint Range	Tilt: ± 143° Pan: ±320° Roll: -260° to 80°
Controlled Rotation Range	Tilt: ±120° Pan: ± 310° Roll: ± 45
Operating Temperature	32°F – 122°F

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