

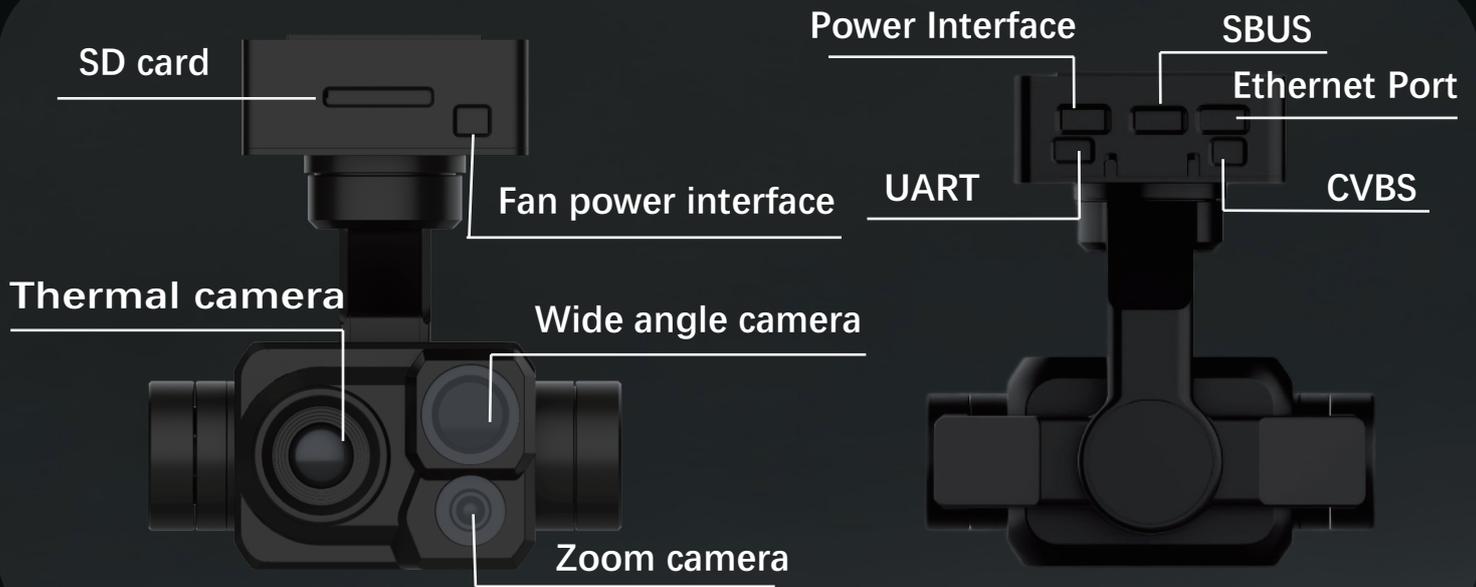
Mini Three-Light Gimbal



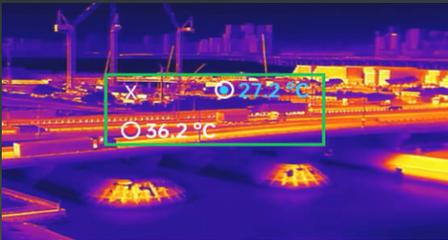
Product Specifications

Visible Light	Camera Type	Wide-Angle	Telephoto
	Image Sensor	IMX586 1/2.0 4800w	OS04A20 1/1.79 800w
	Camera	FOV: 79.4±3° Focal Length: 4.74mm Aperture: F/1.8	FOV: 15° Focal Length: 25mm Aperture: F/3
	Max Image Size	3840×2160	
	ISO Range	Video: 100-12800 (Auto) Photo: 100-25600 (Auto)	/
	Digital Zoom	8x	54x
	Video Resolution	3840x2160@30fps 1920x1080@30fps	3840x2160@30fps
	Image Format	JPEG	
	Video Format	MP4	
Thermal Camera	Model	384	640
	Sensor	Uncooled Vanadium Oxide Microbolometer	
	Lens Focal Length	9mm@35.5°/13.5mm@24°	9mm@57.3°/18mm@30.5°
	Sensor Resolution	384×288@30Hz	640×512 @30Hz
	IR Temperature Accuracy	±2 °C / ±2 %	
	Temperature Measurement Range	-20°C to 150°C (High Gain Mode) -20°C to 450°C (Low Gain Mode)	
	Digital Zoom	8x	
	Pixel Pitch	12 μm	
	Wavelength Range	8-14 μm	
	Image Format	R-JPEG	
	Temperature Measurement Method	Spot/Area Temperature Measurement	
Flat-Field Calibration (FFC)	Auto / Manual		
Gimbal	Dimension	67.6×66.7×61mm (L×W×H)	
	Weight	16.5g	
	Structural Rotation Range	Yaw: -100° to +100° Pitch: -135° to +30° Roll: -45° to +45°	
	Controllable Rotation Range	Yaw: -75° to +75° Pitch: -30° to +30°	
	Jitter Suppression	±0.005°	
	Controlled Speed (Max)	120°/s	
Wireless Video Transmission Parameters	Max Signal Range (Interference-free and unobstructed)	20km(FCC),10km(CE/SRRC/MIC)	
	Video Transmission Operating Frequency	5.725 GHz to 5.850 GHz	
	Antenna	2 antennas, 2 transmitters and 2 receivers	
	Transmitter Power (EIRP)	5.8 GHz: <33 dBm (FCC) , <14 dBm (CE), <23 dBm (SRRC)	
	WI-FI Protocol	802.11A/B/G/N/AC/AX Support2×2、MIMOWI-FI	
	WI-FI Operating Frequency	5.725GHz to 5.850GHz	
	Transmitter Power (EIRP)	5.8 GHz: <26 dBm (FCC/SRRC), <14 dBm (CE)	

Introduction



Product features



High-Resolution Thermal Imaging

640*512 high-res thermal sensor -- ideal for non-contact temperature measurement, heat source detection, remote sensing.

Professional UAV Imaging System

Core: Telephoto + hybrid zoom. Up to 53x digital zoom wide view, smooth zoom, sharp details, effortless shots.



Precise & Stable Gimbal

Wide FOV + Strong Compatibility. High-precision 3-axis gimbal – offsets jitter, stable clear imagery.

Applications



Electrical Inspection



Traffic Inspection



Forest Fire Prevention



Emergency Rescue

Supported Platforms



**Suitable for multi-rotor UAVs, VTOLs,
Unmanned vehicles, Unmanned boats, Robotics dogs, etc.**