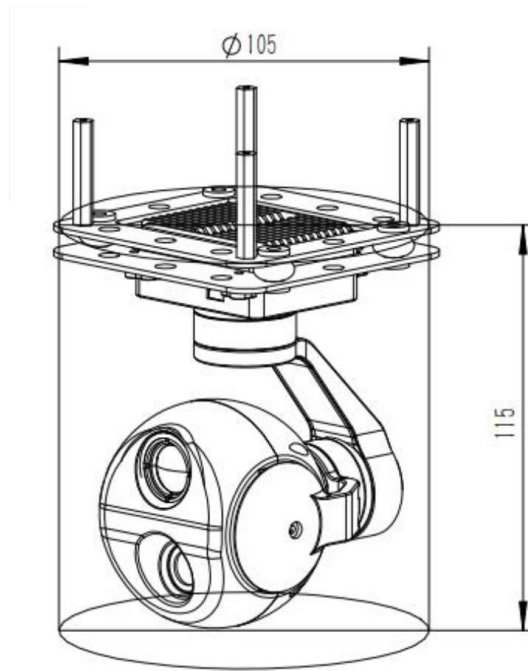


Features

- Fixed-Focus Visible Light
- 640×512 Thermal
- AI Object recognition and tracking (tracking version)
- Three-axis stabilization, 245g
- High-precision, high-coordination control algorithm
- Provide integrated ground station software

Gimbal Camera structure



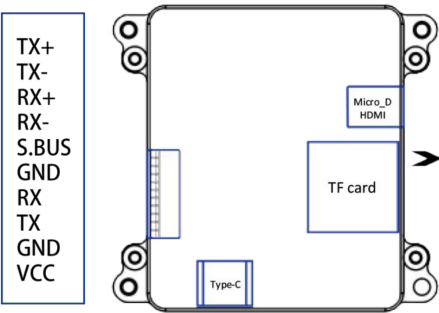


Voltage		DC 12V-26.2V③
Power		Static 4.6W
Working characteristics	Pitch Angle action range	-45° ~ +100°
	Yaw Angle action range	-145° ~ +145°
	Roll Angle action range	-45° ~ +45°
	Angle jitter in pitch and roll directions	±0.02°
	Horizontal angle jitter	±0.03°
	One-click return function	One-click automatic quick return to the initial position
	Gimbal control speed adjustable	The speed adaption is carried out based on the current speed mode and the multiple of the visible light camera.
	Control mode	Support network IP control ,serial port and S.BUS control
Visible Light Camera	CMOS Size	1/2.8 inch 2 mega pixel Wide dynamic range CMOS SENSOR
	Digital zoom	Support 9x digital zoom
	Video Output	Network HD RTSP output 1080P, video stream local TF storage
	Field of view (FOV)	FOV: 35° 28° 21°
	Support Mode	1080P 30fps
	HDMI video	Micro-D HDMI 1080P 60fps
Thermal imagery	Resolution	640×512
	Pixel size	12μm
	Type	Uncooled focal plane microbolometer
	Wavelength coverage	8~14μm
	Heat sensitivity(NETD)	≤50mk@F1.0
	Field of view (FOV)	32.9° ×26.6°
	Measurement function (optional)	Support global temperature measurement, optional full pixel temperature saving function
Target recognition and tracking	Minimum tracking target size:	16×16 pixels
	Maximum tracking target size:	256×256 pixels
	Maximum occlusion time:	2 seconds
	Maximum speed supported:	50 pixels/frame

	Recognized categories:	people and cars
	Minimum recognized size:	32×32 pixels
Dimensions		115mm × 85mm
Work environment		-10℃ to +60℃
Stored Environment		-20℃ to +80℃
Main application		Drone aerial photography
Weight		245±10 g

Connection application diagram

Electrical Interface



No.	Model	Interface Type	Interface definition	Function
1	10PIN Socket	Communication Interface	Tx+	Network Interface
2		Communication Interface	Tx-	Network Interface
3		Communication Interface	Rx+	Network Interface
4		Communication Interface	Rx-	Network Interface
5		Communication Interface	S.BUS	S.BUS Input
6		Signal Ground	GND	GND
7		Communication	RX	Serial port receiving

		Interface		
8		Communication Interface	TX	Serial port sending
9		Power Ground	GND	GND
10		Power interface	VCC	DC 12V-26.2V

*** Due to the product upgrade, the appearance/size/weight/power consumption may change slightly. Please contact the sales department for the latest data. Thank you for understanding.**

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