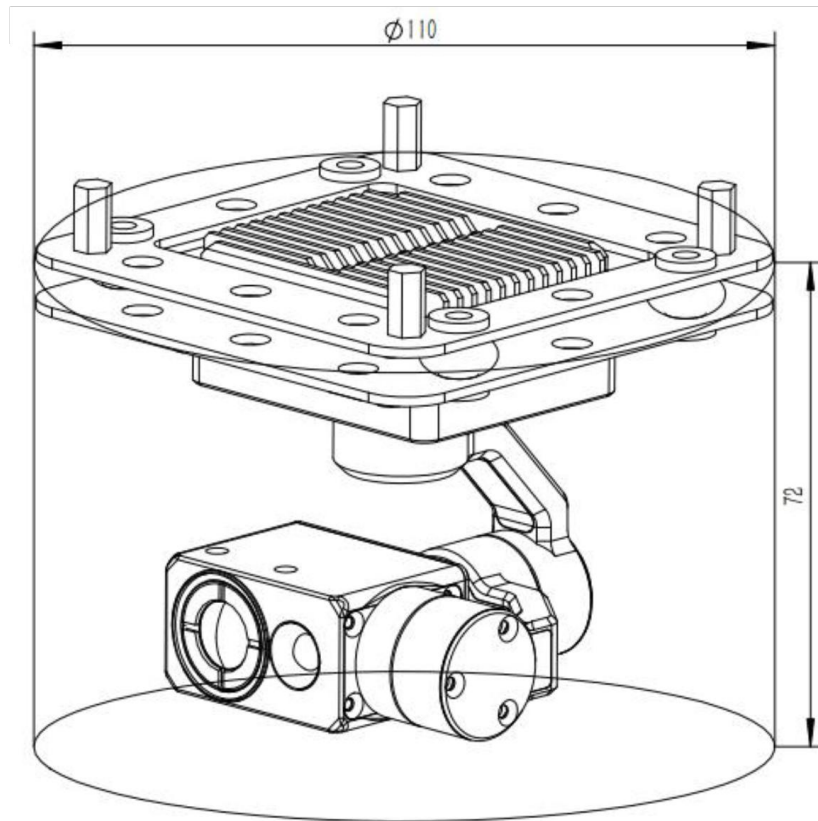


Advantage

- Fixed focus visible light
- 640×512 IR camera
- 10 modes for pseudo color
- HDMI and IP interface Dual output
- 9x digital zoom
- AI Target Detection and Tracking
- Network and UART control
- 3-Axis stabilized gimbal, 130g

Device structure



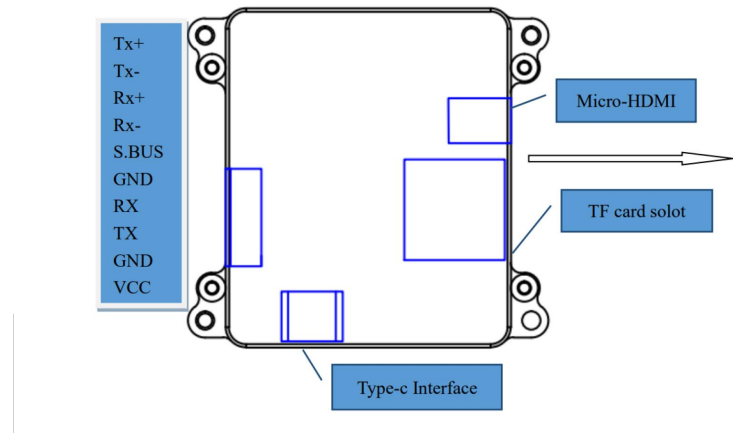


Voltage		DC 12V-26.2V [®]
Power		Dynamic 4W
Technical Parameters	Roll Angle	-25° ~ +25°
	Pitch Angle	-30° ~ +90°
	Yaw Angle	-140° ~ +140°
	Jitter Angle	±0.02°
	Horizontal Jitter Angle	±0.03°
	One-Click Restore	One-click restore to the initial position
	Adjustable Gimbal Speed	When the PTZ rotates, it conducts speed adaptation based on the current speed mode and the multiple of visible light camera.
	Control mode	Support network IP UART control (SBUS and PWM are optional)
Daylight Sensor Parameters	SENSOR	4 Mega Pixels CMOS SENSOR
	Digital Zoom	9x
	Compressed storage mode	H264, H265, video stream local TF storage
	FOV	FOV: 92° × 59°
	HDMI video	Micro-D HDMI 1080P 60fps
Thermal imager Parameters	IP output mode	1080P 30fps
	Resolution	640x512
	Digital Zoom	9x
	resolving power	12μm
	Pixel spacing	8~14μm
	type	Uncooled vanadium oxide detector
	Wavelength range	≤40mk@F1.0@25℃
	Field angle	9.1mm Lens, Angle: 48.3° x 38.7°
Target recognition and tracking	Measurement function (optional)	Support global temperature measurement, optional full pixel temperature storage function
	Min tracking target size	16×16 pixels
	Max tracking target size	256×256 pixels
	Target Memory Time	2 seconds
	Tracking speed	50 Pixel/Frame max
	Simultaneous detection qty	100 targets max
	Recognized categories	Human and Vehicle
	Min detection target size	32×32 pixels
Gimbal Size		Φ: 110mm H: 72mm

Working Condition	-10℃ to +60℃ / 20% to 80% RH
Storage Environment	-20℃ to +80℃ / 20% to 95% RH
Main applications	UAV aerial photography
Weight	130±10g

Note ②: Voltage: DC12V~26.2V, please note that the instantaneous voltage of the power supply cannot exceed 27V.

Connection application diagram



No	Part	Type	Define	Function
1	10PIN	Communication Line	Tx+	IP net
2		Communication Line	Tx-	IP net
3		Communication Line	Rx+	IP net
4		Communication Line	Rx-	IP net
5		Communication Line	S. BUS	S. BUS input
6		Signal Gound	GND	GND
7		Communication Line	RX	Uart receive
8		Communication Line	TX	Uart Send
9		Power Supply Ground	GND	GND
10		Power	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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