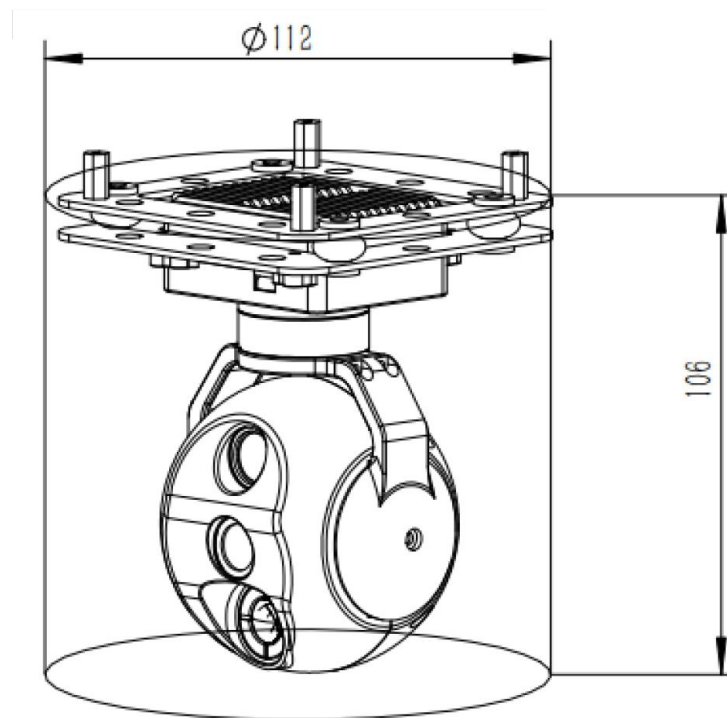


Functional Features

- 4K + 1080P EO Cameras
- 640×512 Thermal
- Support IP Output
- 7X、9X Digital Zoom
- Supports IP/ S.BUS/ UART Control
- Multiple PIP Modes
- Network Read& Write TF card

Device Structure

- 2-Axis Stability



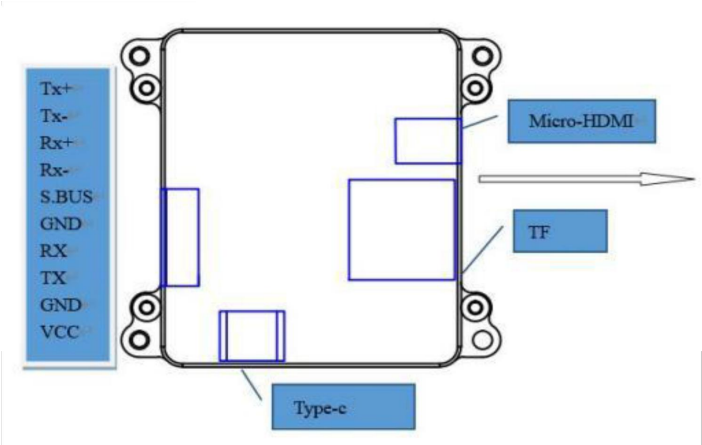


Voltage		DC12~26.2V ^②
Power Supply		Dynamic 5W
PTZ	Pitch Angle Range	-45°~+110°
	Yaw Angle Range	-145°~+145°
	Pitch and Roll Angle Jitter	±0.02°
	Horizontal Angle Jitter	±0.03°
	One-click Return Function	Quick return to initial position with one click
	Adjustable PTZ Speed	The current speed mode based on the multiple zoom of camera
	Control Modes	IP and UART and S.BUS control (or PWM for Option)
4K Visible Camera	CMOS Size	1/2.8" WDR CMOS SENSOR: 8 Mega Pixels
	Digital Zoom	7X digital zoom
	Storage Mode	H264, H265; 4K Local TF Card Storage
	FOV	25mm lens; FOV: 10.5°x 7.8°
1080P Visible Camera	CMOS Size	WDR CMOS SENSOR: 2 Mega Pixels
	Digital Zoom	9X digital zoom
	Storage Mode	H264, H265; 1080P Local TF Card Storage
	FOV	6mm lens, FOV: 60°x 43°
HDMI	Video Output	Micro-D HDMI 1080P 60fps
Thermal	Resolution	640×512
	Pix Spacing	12um
	Type	Uncooled Infrared Microbolometer Camera
	Wavelength	8~14um
	Thermal Sensitivity (NETD)	≤50mk@25°C@F1.0
	Video Output	IP Output
	FOV	9.1mm lens, FOV: 48.7°×38.6°
	Measurement Functions	Support showing the center temperature, highest temperature and lowest temperature; Support temperature data storage and display for optional;
Embedded AI 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
	Targets type	Human and Vehicles
	Min. recognition target size	32×32 Pixels
Video Steam Output		1080P 30fps /4K 30fps
Size		φ:112mm H:106mm
Operating Temperature		-10°C to +55°C / 20% to 80% RH
Storage Temperature		-20°C to +60°C / 20% to 95% RH

Storage Temperature	-20℃ to +60℃ / 20% to 95% RH
Application	UAV Aerial Photography
Weight	210±10 grams

Annotation②: Voltage :DC12V~26.2V , Pls note that the instantaneous voltage of the power supply can not exceed 27V.

Connection Diagram



No.	Model	Type	Interface Definition	Function
1	10PIN Socket	Communication Interface	Tx+	IP
2		Communication Interface	Tx-	IP
3		Communication Interface	Rx+	IP
4		Communication Interface	Rx-	IP
5		Communication Interface	S. BUS	S. BUS Input
6		Signal GND	GND	GND
7		Communication Interface	RX	UART Reception
8		Communication Interface	TX	UART Transmission
9		Power GND	GND	GND
10		Power Supply	VCC	DC 12V-26.2V

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