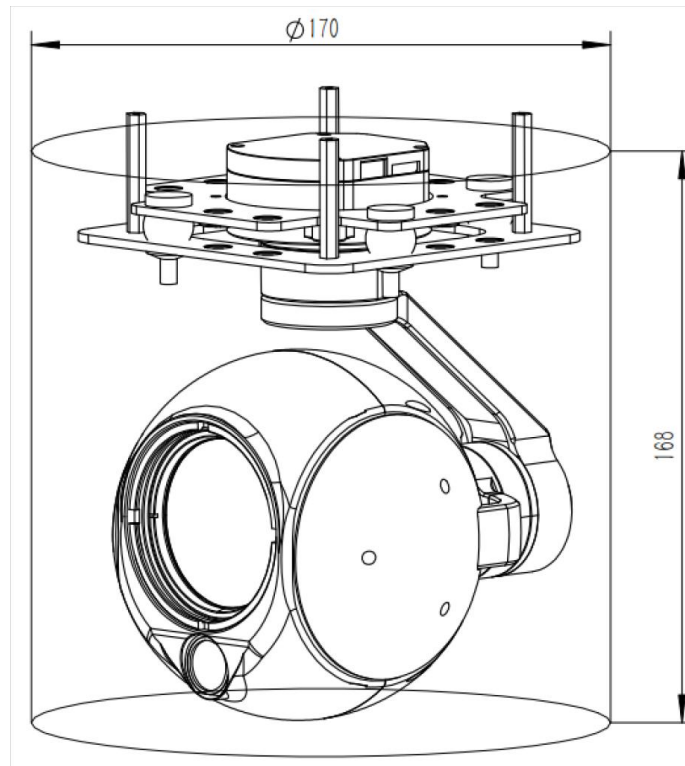


Advantage

- AI Target Detection and Tracking
- Multiple pseudo color modes
- RTSP stream video output
- TF card 2-way video recording
- 9x digital zoom
- Support multiple PIP mode
- SBUS, UART, UDP and PWM control
- 3-Axis stabilized gimbal

Device structure



Note①: 3.3V LVTTTL UART

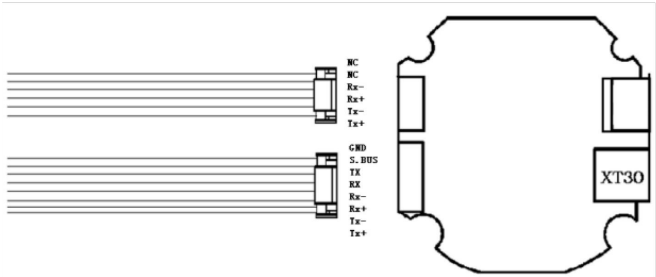


Voltage		DC 12V-26.2V②
Power		Dynamic 6w
Technical Parameters	Roll Angle	-45° ~ +45°
	Pitch Angle	-30° ~ +100°
	Yaw Angle	-280° ~ +280°
	Jitter Angle	±0.02°
	Horizontal Jitter Angle	±0.03°
	One-Click Restore	One-click return to the initial position
	Adjustable Gimbal Speed	During the rotation of the PTZ, the speed will be adaptively adjusted based on the current speed mode and the magnification of the visible light camera.
	Control mode	Support UART, UDP, SBUS and PWM (optional) control
Daylight Sensor Parameters	CMOS	CMOS SENSOR pixel: 2 million pixels
	Digital zoom	9x Digital Zoom
	Video output	IP output RTSP 1080P /480P video stream, local TF1080P storage
	FOV	60°× 43°
Thermal Imaging Parameters	Support mode	1080P 30fps
	Focal length	50mm
	Pixel pitch	12μm
	Thermal Imaging Type	Uncooled vanadium oxide detector
	Wavelength range	8~14μm
	Thermal sensitivity (NETD)	≤50mk@25℃@F1.0
	FOV	D 11.23° 、 H 8.78° 、 V 7.03°
Target recognition and tracking	Measurement function	Supports global temperature measurement, optional full-pixel temperature recording function.
	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
	Maximum number of recognitions:	100
	Recognized categories:	people and cars
	Minimum recognized size:	32×32 pixels

Gimbal Size	Φ : 170mm H: 168mm
Working Condition	-10℃ to +55℃ / 20% to 80% RH
Storage Environment	-20℃ to +60℃ / 20% to 95% RH
Main applications	UAV aerial photography
Weight	755±20g

Note② Voltage: DC12V~26.2V, please note that the power supply transient voltage must not exceed 27V.

Connection application diagram



No.	Types	Interface type	Interface definition	Function
1	6PIN	Communication interface	NC	Reserved interface
2		Communication interface	NC	Reserved interface
3		Communication interface	Rx-	Network interface
4		Communication interface	Rx+	Network interface
5		communication interface	Tx-	Network interface
6		Communication interface	Tx+	Network interface

NO.	Type	Interface Type	Interface Definition	Function
1	8PIN pin	Communication interface	GND	GND
2		Communication	S.BUS	S. BUS input

		interface		
3		Communication interface	TX	UART transmit
4		Communication interface	RX	UART receiving
5		Communication interface	Rx-	Network Interface
6		Communication interface	Rx+	Network Interface
7		communication interface	Tx-	Network Interface
8		communication interface	Tx+	Network Interface

Type	Interface Type	Function	Remarks
Memory card interface	TF	Upgrade and store data	The memory card interface is on the sphere

*** 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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