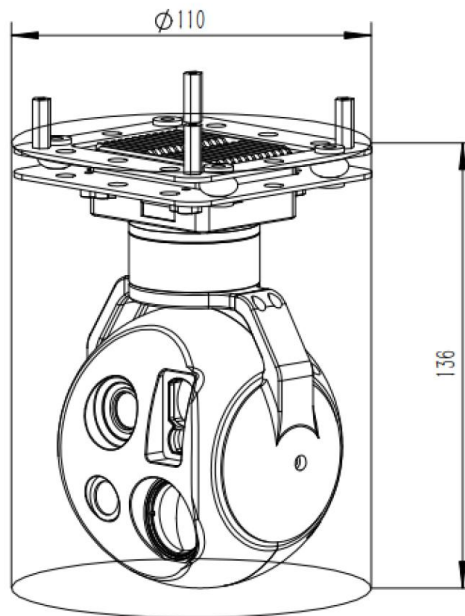


Feature

- 4K EO
- AI Target Detection and Tracking
- 25mm Lens, 640x512 IR
- Light Weight Gimbal Camera,
Weight 360 ± 20 grams
- 1080P EO
- 1500 meters LRF
- Network、UART①、S.BUS Control
- TF card dual recording, network
reading and writing

Struction



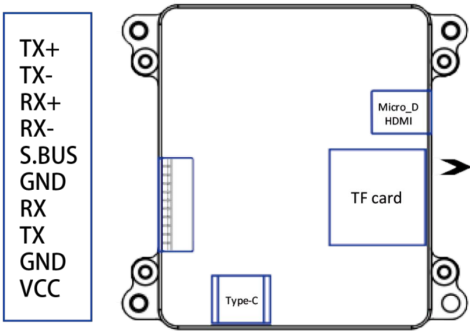


Voltage		DC 12V-26.2V②
Power Supply		Dynamic 6W
Working characteristics	Roll Angle	-30° ~+100°
	Yaw Angle	-140° ~+140°
	Angle jitter in pitch and roll	±0.02°
	Horizontal angle jitter	±0.03°
	One-click return to center function	Automatically and quickly return to the initial position with one click
	Adjustable control speed	When the gimbal rotates, speed adaptation is based on the current speed mode and visible light camera magnification.
	Control method	Support Network IP,UART and SBUS Control
4K EO Parameters	CMOS Size	CMOS SENSOR: 8 mega pixel
	Digital Zoom	7x Digital Zoom
	Compressed Storage Mode	H264, H265,video streaming local TF storage 4K
	Field of View (FOV)	25mm lens, FOV: 10.5° × 7.8°
1080P EO Parameters	CMOS Size	CMOS SENSOR: 2 mega pixel
	Digital Zoom	9x Digital Zoom
	Compressed Storage Mode	H264, H265,video streaming local TF storage 1080p
	Field of View (FOV)	6mm lens, FOV: 60° × 43°
Laser Range Finder	Wavelength	905nm (class 1 laser)
	Measurement	5~1500m
	Accuracy/Resolution	±1m
IR thermal imaging	Resolution	640×512 pixel
	Pixel spacing	12um
	Types	Uncooled focal plane microbolometer
	Wavelength coverage	8~14um
	Heat sensitivity(NETD)	≤40mk@f1.0/25°C
	FOV	25mm focal length, FOV:17.3×14.0°
	Measuring function	Support global temperature measurement, optional full pixel temperature saving function

Target recognition and tracking	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
HDMI video		Micro-D HDMI 1080P 60fps
Network output mode		1080P 30fps /4K 30fps
Dimension		Φ:110mm H:136mm
Work Condition		-10℃ to +50℃ / 20% to 80% RH
Storage Condition		-20℃ to +60℃ / 20% to 95% RH
Application		UAV aerial photography
Weight		360±20 grams

Note ②: Voltage: DC12V~26V. Please note that the instantaneous voltage of the power supply cannot exceed 27V.

Connection application diagram



Number	Model	Interface Type	Interface definition	Function
1	10 PIN	Power interface	VCC	DC 12V-26.2V
2		Power ground	GND	GND
3		Communication Interface	TX	Serial port sending
4		Communication	RX	Serial port receiving

3		Communication Interface	TX	Serial port sending
4		Communication Interface	RX	Serial port receiving
5		Signal ground	GND	GND
6		Communication Interface	S. BUS	S. BUS Input
7		Communication Interface	Rx-	Network Interface
8		Communication Interface	Rx+	Network Interface
9		Communication Interface	Tx-	Network Interface
10		Communication Interface	Tx+	Network Interface

***Due to product upgrades,there may be slight changes in appearance/size/weight/power consumption. Please contact sales for recent data. We apologize for any inconvenience it may cause.**

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