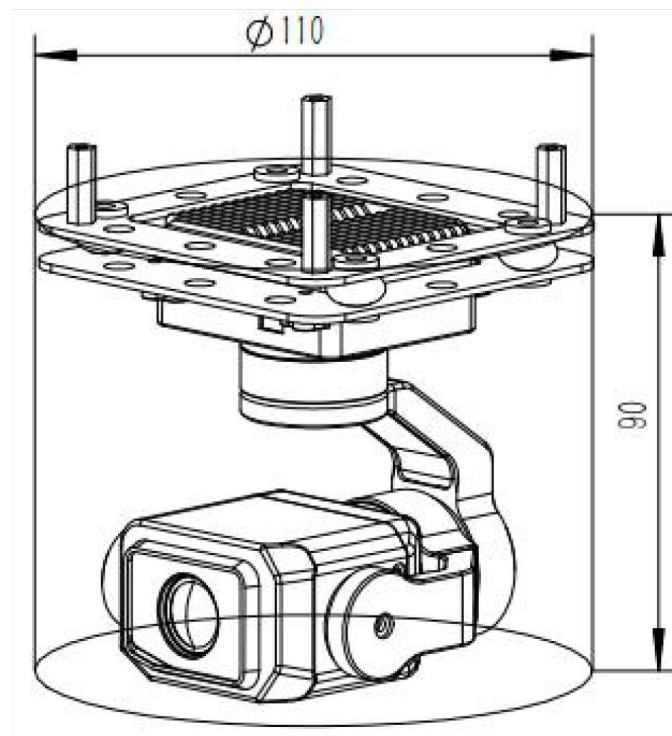


Functional Features

- 3x optical zoom
- 9x digital zoom
- AI Target Detection and Tracking
- 48 million pixels
- 3-Axis stabilizing gimbal, 210g
- TF card double record, network read

Whole machine structure

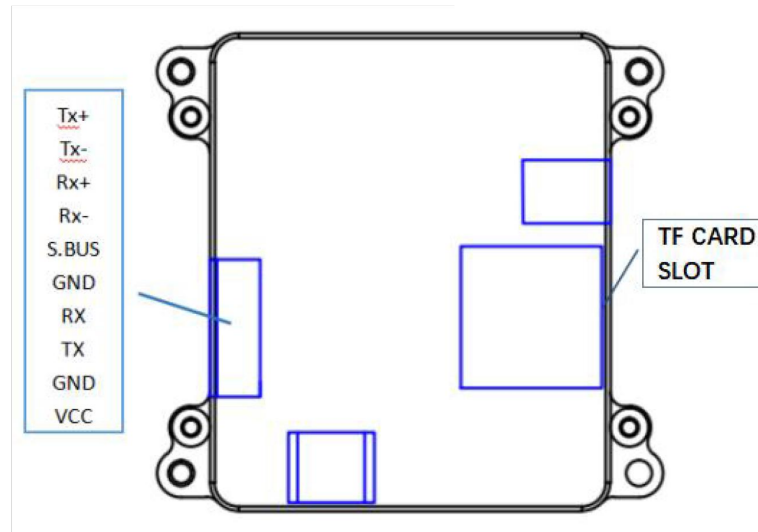


Note ① : Serialport: 3.3V, LVTTTLUART.

		
voltage		DC 12V-26.2V ^②
Power		Dynamic 6W
Working Status	Roll Angle action range	-45° ~ +45°
	Pitch Angle action range	-130° ~ +30°
	Heading Angle action range	-150° ~ +150°
	Angle jitter in pitch & roll direction	±0.02°
	Horizontal Angle jitter	±0.03°
	One-click back to center function	One key automatic fast return to the initial position
	Pan- tilt control speed is adjustable	When the pan-tilt rotates, the speed is adaptive based on the current speed mode and the multiple of the visible light camera.
Visible light Camera	Control mode	Support network IP control, SBUS control, serial port control (Optional PWM control)
	Sensor	1/2 inch 48 megapixel CMOS SENSOR
	Optical zoom	3x High definition optical zoom lens, 15mm(Wide)-50mm(Tele) ± 5%
	Digital zoom	9x digital zoom
	Focusing time	Real time fast focusing function, focusing time<1s
	Video output	Network high-definition RTSP output 1080P, video stream local TF storage
AI tracking	Angle of view (FOV)	D : WIDE 28.98°±3% TELE 9.06°±3% H : WIDE 23.48°±3% TELE 7.29°±3% V : WIDE 17.81°±3% TELE 5.49°±3%
	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	16×16 pixels
	HDMI support mode	Micro-D HDMI 1080P 60fps
	Dimensions	110mm×90mm
	Working environment	-10℃ to +45℃ / 20% to 80% RH
	Storage environment	-20℃ to +60℃ / 20% to 95% RH
	Main applications	Drone aerial photography
	Weights	210± 10g

Note 2: Voltage :DC12V~26.2V, need to pay attention to the power supply instantaneous voltage can not exceed 27V.

Connection application diagram



No.	Name	Interface Type	Interface definition	Function
1	10PIN	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	SBUS input
6		Signal ground	GND	GND
7		communication interface	RX	Network interface
8		communication interface	TX	Network interface
9		Power Ground	GND	GND
10		Power Port	VCC	DC 12V-26.2V [®]

*Due to product upgrade, appearance/size/weight/power consumption may change slightly, please contact sales for the latest data. Thanks for understand.

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