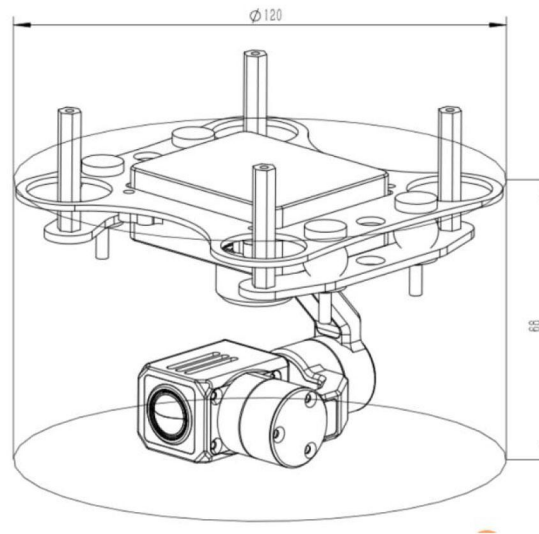


Features

- 640 * 512 resolution
- 9X digital zoom
- High precision and high coordination control algorithm
- With following or locking head function
- 170ms low latency streaming
- Picture and data controlled by one IP address

Structure



Annotation① : Serial Port: 3.3V, LVTTTL UART。

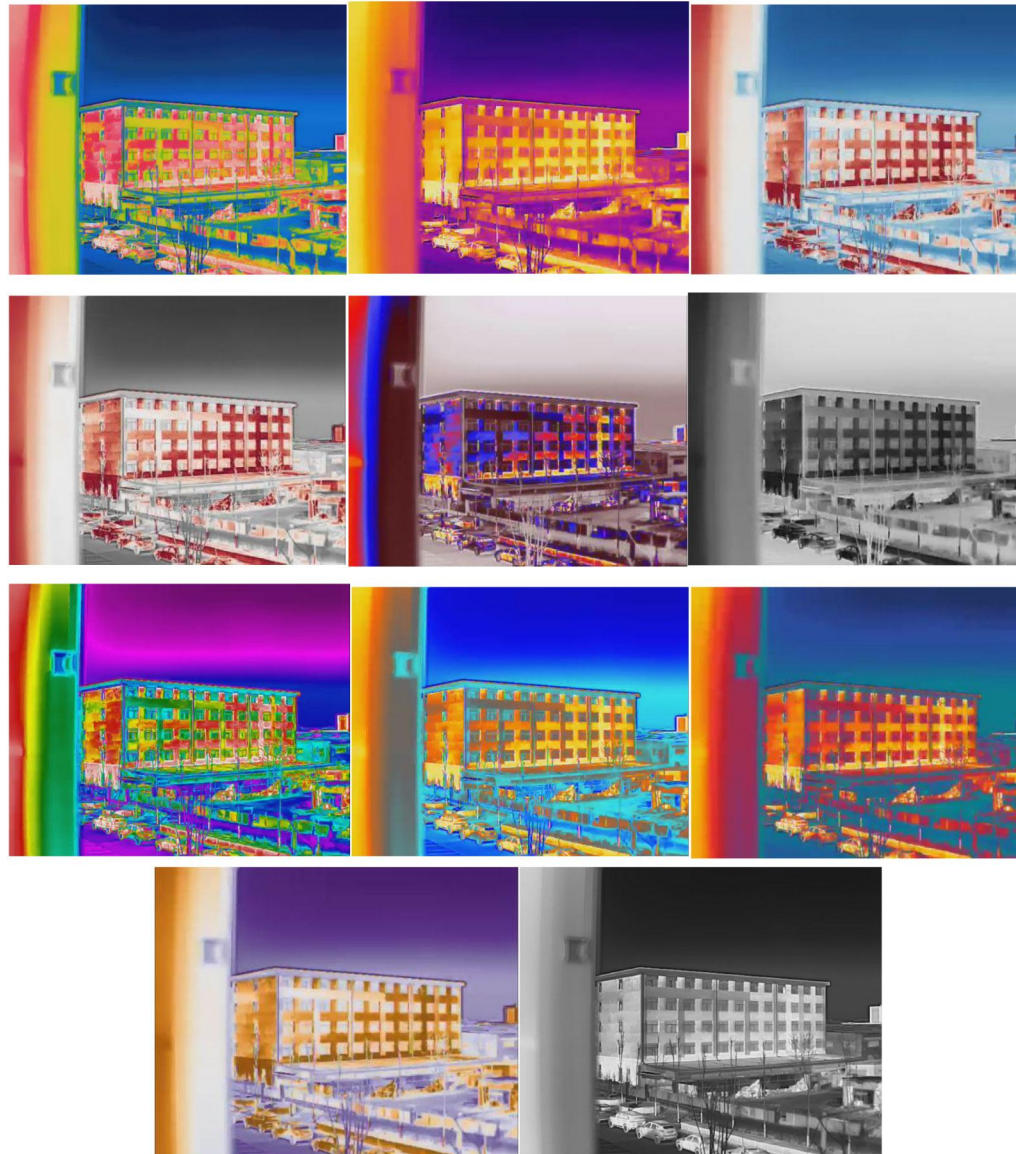


V-IN		DC 12V-26.2V②
Power		Dynamic 5W
Operating Characteristics	Roll Angle	-20°~+20°
	Pitch Angle	-40°~+110°
	Course Angle	-140°~+140°
	Pitch and Roll Angle Jitter	±0.02°
	Horizontal Angle Jitter	±0.03°
	One-click Return Function	Quick return to initial position with one click
	PTZ Functions	Locking/ Following, Angle Setting, Location Reading
Thermal Spec	Type	Vanadium oxide uncooled infrared detector
	Resolution	640*512
	Pixel Size	10um
	Spectrum	8~14μm
	NETD	≤50mk@25°C F1.0
	Measurement Range	-20°C~650°C
	Measurement Accuracy	±3 or ±3%
	Function	Full pixels temperature measurement(full pixels temperature storage for option)
	ISP	Image Displays: Black Heat/ White Heat/Pseudo colors (≥8 kinds) No TEC temperature control algorithm; Digital filter noise reduction; Digital detail enhancement; Histogram stretching
Lens		8.7mm/F1.0, FOV: 40°x32.2°
Video		IP RTSP Streaming, Mutual data transmission
Control Modes		Ip/ S.BUS /UART; Support WINDOWS and Android QGC
Operating Temperature		120mm×68mm
Storage Temperature		-20°C to +45°C / 20% to 80% RH
Application		-40°C to +60°C / 20% to 95% RH
Net Weight		110±5gram

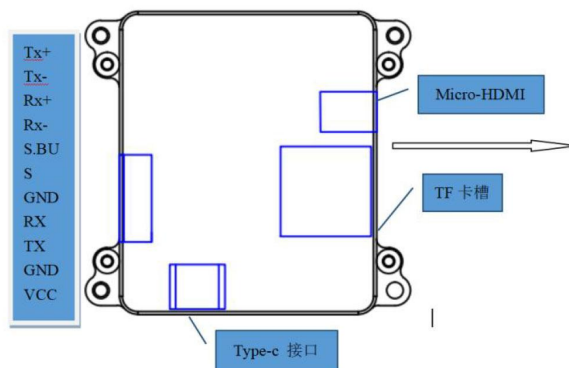
Annotation②: The input voltage should be DC12V~26.2V and the instantaneous voltage should be below 27V.

Pseudo Colors:

Support multi types of pseudo colors switching modes :



Interface Diagram:



Item	Model	Interfaces	Definition	Function
1	8PIN Socket	Signal	Tx+	IP
2		Signal	Tx-	IP
3		Signal	Rx+	IP
4		Signal	Rx-	IP
5		Signal	S. BUS	S. BUS IN
6		Signal GND	GND	GND
7		Signal	RX	UART Reciever
8		Signal	TX	UART Transmitter
9		Power GND 地	GND	GND
10		Power	VCC	DC 12V-26.2V

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

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