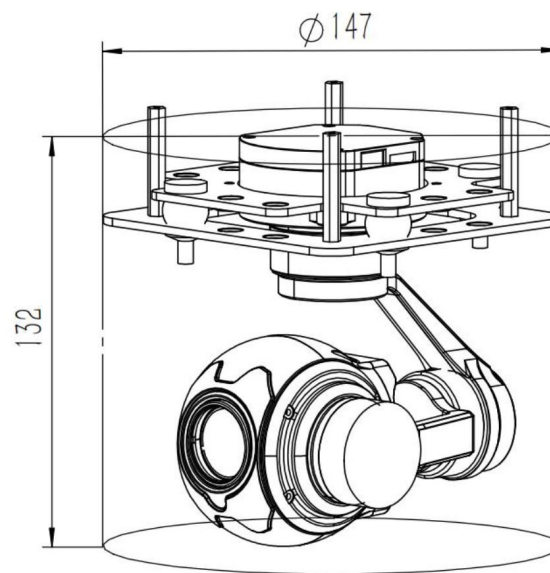


Features

- 640 * 512 resolution,
- Local TF card storage
- UART^①/IP/S.BUS Control
- 3-axis stabilized gimbal,
- Lock & Follow Mode
- Weight: 390±10g
- Provide Topotek Ground Control Software
- Picture and data controlled by one IP address

Structure

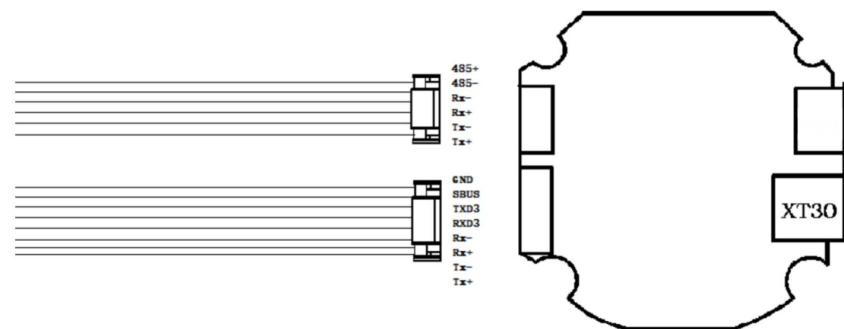


Annotation^① : Serial Port: 3.3V, LVTTTL UART。



V-IN		DC 12V-26.2V②
Power		Dynamic 4W
Operating Characteristics	Roll Angle	+ 45° ~ - 45°
	Pitch Angle	- 45° ~ +120°
	Course Angle	+ 280° ~ - 280°
	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	Lock/ Follow mode, Angle Setting, Location Reading
Thermal Spec	Type	Vanadium oxide uncooled infrared detector
	Resolution	640*512
	Pixel Size	12um
	Spectrum	8~14μm
	NETD	≤50mk@F1.0
	Measurement Range	-20°C~150°C, 100°C~550°C expandable
	Measurement Accuracy	±3 or ±3%
	Function	Full pixels temperature measurement (optional full pixel temperature saving function)
	ISP	Image Displays: Black Heat/ White Heat/Pseudo colors (≥8 kinds) Non-Uniformity Correction NUC; AGC, EE Enhancement 3D Noise Reduction 2D Noise Reduction
	Lens	25mm/F1.0, FOV: 17.7°×14°
Video		IP RTSP Streaming, Mutual data transmission
Control Modes		IP/ S.BUS /UART; Provide WINDOWS and Android QGC
Operating Temperature		L 113mm ×W 80.5mm×H 132mm
Storage Temperature		-20°C to +60°C / 20% to 80% RH
Application		-40°C to +70°C / 20% to 95% RH
Net Weight		390±10gram

Interface Diagram:



Item	Model	Interfaces	Definition	Function
1	6PIN Socket	Signal	NC	Reserved
2		Signal	NC	Reserved
3		Signal	Rx-	Network
4		Signal	Rx+	Network
5		Signal	Tx-	Network
6		Signal	Tx+	Network

Item	Model	Interfaces	Definition	Function
1	8PIN Socket	Signal	GND	GND
2		Signal	S. BUS	S. BUS Input
3		Signal	TXD3	UART sending
4		Signal	RXD3	UART receiving
5		Signal	Rx-	Network
6		Signal	Rx+	Network
7		Signal	Tx-	Network
8		Signal	Tx+	Network
Model		Interfaces	Function	Remarks
Memory Card Interface		Micro-sd card	Upgrade and Store data	Memory Card Interface is on the sphere

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

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