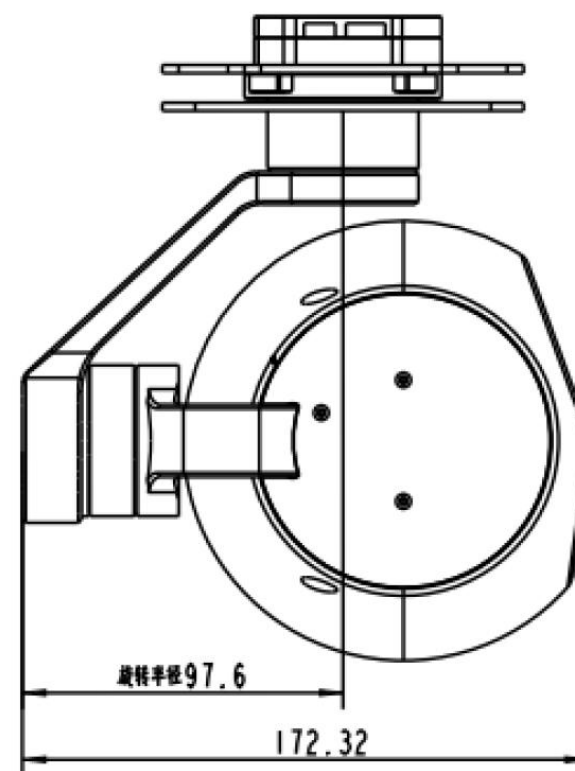
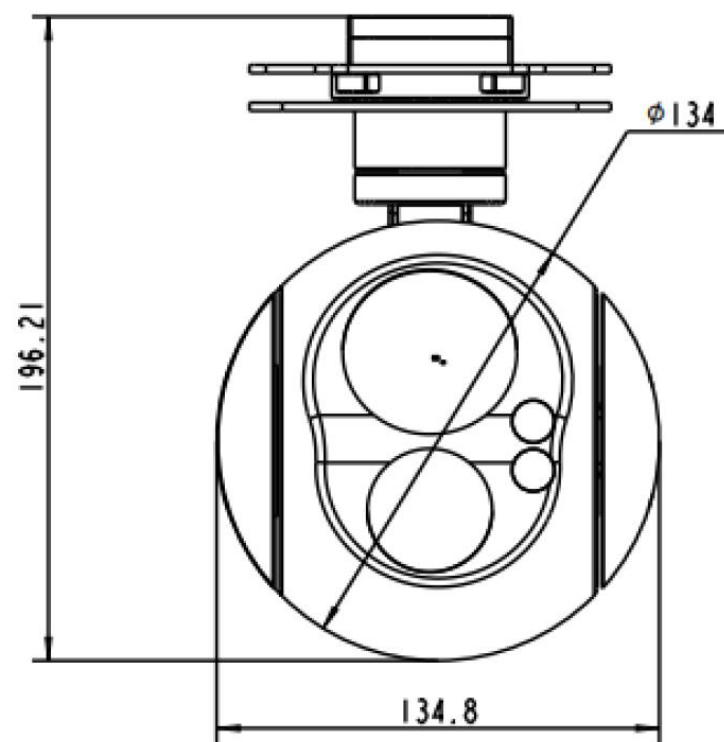


Function characters

- 4x optical zoom + 7x digital zoom
- Thermal imaging temperature measurement, 25mm lens 1280*1024 thermal imaging
- 1080P network output, bidirectional communication 1080P
- Night vision plus LED supplementary lights
- Network, serial port synchronized control
- Single TF card, dual channel synchronous recording
- Three-axis stabilized gimbals, 1230 $\pm 20g$
- AI Target Detection and Tracking

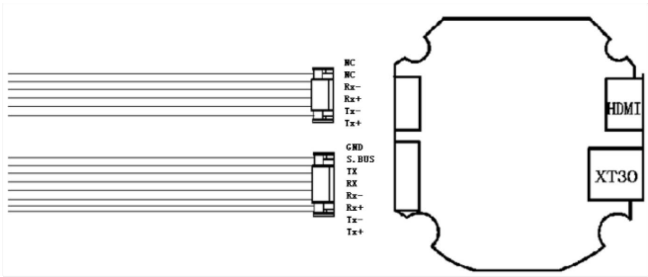
Structure



Note①: 28x hybrid zoom means: 4x optical zoom + 7x digital zoom.

		
Voltage		DC 12V-26.2V
Power		Static 6w
Gimbal Parameter	Pitch Angle	-30~+120° jitter ±0.02°
	Yaw Angle	600° rotation jitter ±0.03°
	Gimbal mode	Quick return to initial position with one click, lock head/following mode
	Control method	Speed adaptive controllable, external control by network or serial port
White light camera parameters	CMOS size	1/1.2 inch 8 million pixel wide dynamic CMOS sensor
	Optical zoom	4x HD optical zoom lens, f=15.16±5%~48.65±5%mm
	Focus time	Real-time fast focus function, focusing time <1s
	Video output	Network output RTSP 1080P stream and 480P stream, local TF 1080P storage
	FOV	D : WIDE 48.4° ±5% TELE 14.8° ±5% H : WIDE 42.2° ±5% TELE 12.9° ±5% V : WIDE 23.7° ±5% TELE 7.3° ±5%
supplement ary lights	Supported mode	1080P 30fps
	Function	supplementary lights, effective distance 20 meters
Thermal imaging	Resolution	1280*1024 pixel
	Pixel pitch	12 μm
	Type	Uncooled Focal Plane Microbolometer
	Wavelength range	8~12 μm
	Thermal sensitivity (NETD)	≤50mk@F1.0
	Contrast, pseudocolor	Adjustable, multiple pseudocolor modes
	Field of view	25mm lens, angle: 34.2° × 27.6°
	Measurement function (optional)	Center point, highest and lowest temperature display temperature function; global temperature measurement
Overall dimensions		135mm×171mm×192mm
Working environment		-10℃ to +50℃ / 20% to 80% RH
Storage environment		-20℃ to +60℃ / 20% to 95% RH
Main applications		Drone aerial photography
Weight		1230±20g

Target recognition and tracking	Mini tracking target size:	16×16 pixel
	Maxi tracking target size:	256×256pixel
	Maxi occlusion time:	2s
	Maxi speed supported:	50pixel/frame
	Maxi number of recognition:	100
	Recognized categories:	Human and vehicle
	Mini recognized size:	16×16 pixel



Serial number	Model	Interface type	Interface definition	Function
1	6-pin socket	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

Seria	Model	Interface type	Interface	Function
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1 numbe r			definition	
1	8PIN socket	Communication interface	GND	GND
2		Communication interface	S.BUS	S.BUS input
3		Communication interface	TX	Serial port send
4		Communication interface	RX	Serial port receive
5		Communication interface	Rx-	Network interface
6		Communication interface	Rx+	Network interface
7		Communication interface	Tx-	Network interface
8		Communication interface	Tx+	Network interface

Model	Interface type	Function	Remarks
Mini_HDMI	HDMI	Video output interface	
Memory card interface	TF card	Upgrade, store data	Memory card interface on the ball

***Due to product upgrades, appearance/dimensions/weight/power consumption may vary slightly, please contact sales for the latest data, thank you for your understanding.**

CONTACT CHINA MONEYPRO GROUP NOW:

EMAIL: SALES@MONEYPROUAV.COM

MOBILE: +86-18126437260 (WHAT'S UP) MS. AMY LUO