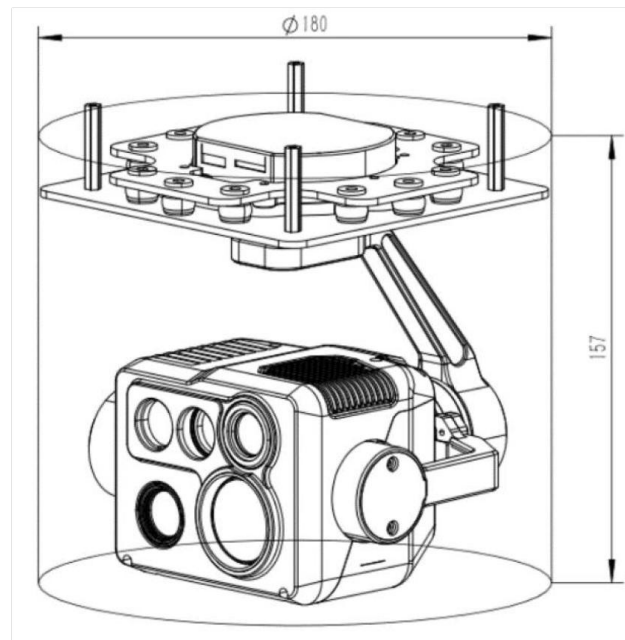


## Functional Features

- 90X Mixed zoom<sup>①</sup>
- 1080P prime lens
- 640 Thermal imaging
- 1800M laser range
- 9x digital zoom
- Ethernet.Serialport<sup>②</sup> output
- High precision & control
- TF & Network record

## Structure



Note<sup>①</sup> : 90x mixed zoom : 10x optical zoom + 9x digital zoom

Note<sup>②</sup> : Serial port : 3.3V, LVTTTL UART.

		
Voltage		DC 12V-26.2V <sup>®</sup>
power		Dynamic 8W
Working characteristics	Roll Angle	-45° to +45°
	Pitch Angle	-45° to +100°
	Yaw Angle	-280° to +280°
	Jitter Angle	±0.02°
	Horizontal Angle jitter	±0.03°
	One-click center	One-click automatic quick return to the initial position
	Adjustable PTZ control	When the PTZ rotates, the speed is adaptive based on the current speed mode and the multiple of the visible light camera.
1080P fixed focus camera	Control mode	Support network IP control, serial port control (optional SBUS control, PWM control)
	CMOS size	CMOS SENSOR pixels: 2 mega pixels
	Digital zoom	Supports 9x digital zoom
	Compressed storage mode	H264, H265, local TF card storage for video streams
	Angle of view (FOV)	FOV: 94.6°× 86.6°
10x zoom camera	Support modes	1080P 30fps
	CMOS size	1/2.8 inch 2 megapixel wide dynamic CMOS SENSOR
	Optical zoom	10x HD optical zoom lens, f=5.15± 5%-47.38 ±5%mm
	Focus time	Real time fast focus function, focus time <1S
	Video output	Network HD RTSP output 1080P, video stream local TF storage
	Angle of view (FOV)	D: WIDE 69.5°±5% TELE 7.95°±5% H: WIDE 61.5°±5% TELE 7.00°±5% V: WIDE 35.0°±5% TELE 3.97°±5%
Ranging	Support mode	1080P 30fps
	Infrared wavelength	905nm (Class I safety laser)
	Range of measurement	5- 1800 meters (must not illuminate objects less than 5 meters)
Thermal imaging	Accuracy/resolution	Accuracy within 400m, ≤±1m, outside 400, ≤±0.4m %; The ranging resolution is 0.1m
	Resolution	640×512 pixel
	Pixel spacing	12 μm
	Type	Uncooled vanadium oxide infrared thermal imager
	Wavelength range	8~14μm

	Thermal sensitivity (NETD)	50 mk @ 25 °C or less @ F1.0
	Angle of view	13mm lens, FOV: 32.9° x 26.6
	Measuring function	Support global temperature measurement, optional full pixel temperature preservation function
Dimensions		Φ: 180mm H:157mm
Working environment		-10℃ to +45℃ / 20% to 80% RH
Storage environment		-20℃ to +60℃ / 20% to 95% RH
Main applications		Drone aerial photography
Weights		740± 20g

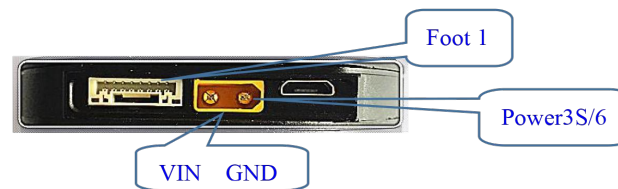
Note 2: Voltage :DC12V~26.2V, need to pay attention to the power supply instantaneous voltage can not exceed 27V.

Pseudo-color mode



Connected map

Electrical interface



No.	Type	Interface type	Interface definition	Function
1	8PIN socket	Power output	GND	GND
2		Power output	5V	+5V output
3		Communication interface	RxD4	Serial port receiver
4		Communication interface	TXD4	Serial port send
5		Communication interface	DB-	Network interface
6		Communication interface	DB+	Network interface
7		Communication interface	DA-	Network interface
8		Communication interface	DA+	Network interface

\* Due to product upgrade, appearance/size/weight/power consumption may change slightly, please contact sales for recent date.Thanks for your understanding.

---

**CONTACT CHINA MONEYPRO GROUP NOW:**

**EMAIL: [SALES@MONEYPROUAV.COM](mailto:SALES@MONEYPROUAV.COM)**

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