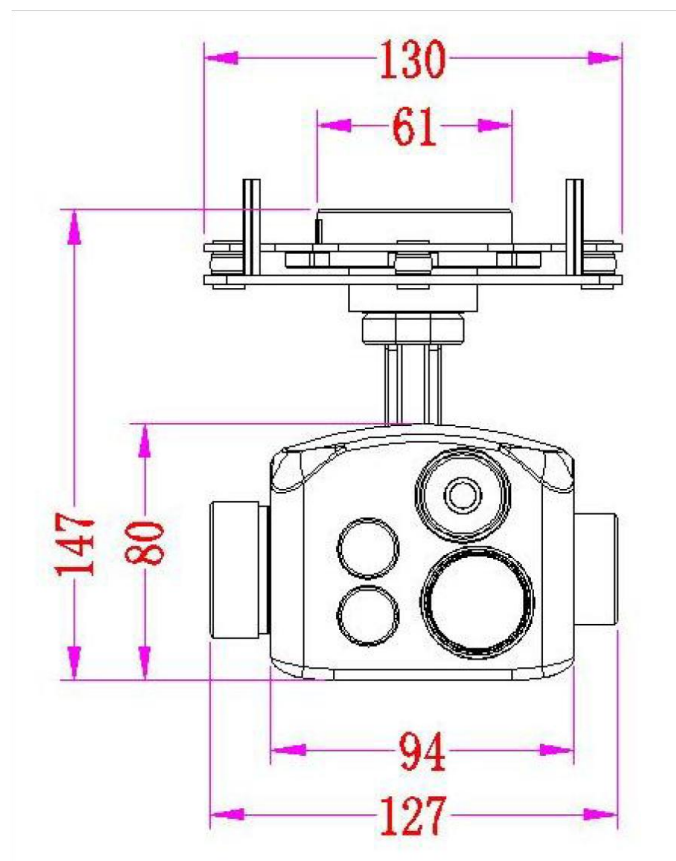


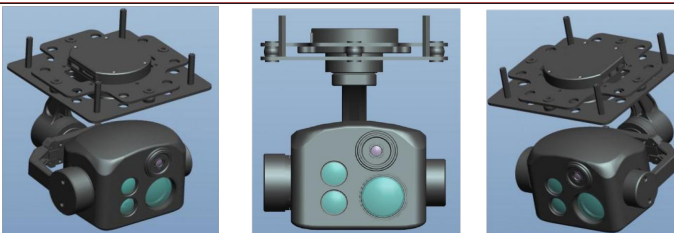
### Functional features

- 90x mixed zoom<sup>①</sup>
- 256×192 Thermal imager
- Ten pseudo color modes
- Four Picture in Picture Modest
- 1500m Laser rangefinder
- 3-Axis stabilizing gimbal
- IP, UART, control
- TF card double recording

### Device structure



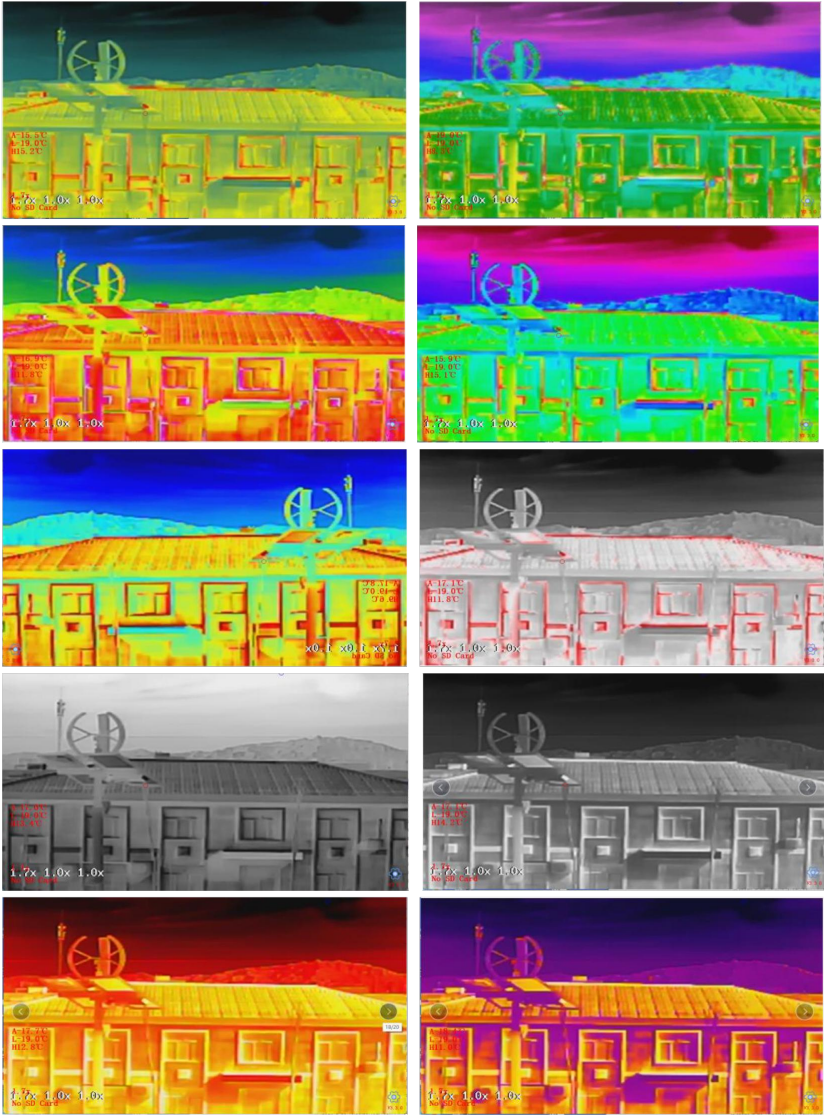
NOTE<sup>①</sup>:90x mixed zoom:10x optical zoom+9x digital zoom



Voltage		DC12V-26.2V
Power Consumption		Dynamic 7W
Working Status	Roll angle action range	-45° ~ +45°
	Pitch angle action range	-45° ~ +120°
	Yaw angle action range	-290° ~ +290°
	Angle jitter in pitch and roll direction	±0.02°
	Horizontal angle jitter	±0.03°
	One click return function	One click automatic quick return to the initial position
	PTZ control speed adjustable	When the PTZ rotates, the speed is adaptive based on the current speed mode and the multiple of the visible camera.
Visible Light Camera	Control mode	Support network IP control and Serial port control (Optional SBUs and PWM control)
	SENSOR	1/2.8 inch 2 MP wide dynamic CMOS SENSOR
	Optical Zoom	10x HD optical zoom lens, f=5.15±5%~47.38±5%mm
	focusing time	Real time focusing, fast focusing time < 1s
	Video output	Network RTSP 1080p output, video stream local TF storage
	Field Angle(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%
	Support Mode	1080P 30fps
Thermal Camera	Resolution	256×192 Pixels
	Pix Spacing	12μm
	Type	Uncooled vanadium oxide infrared thermal imager
	Wavelength coverage	8~14μm
	Thermal sensitivity NETD	≤65mk@25℃@F1.0
	Contrast, Pseudo color	Adjustable
	Lens specification	7mm Lens, FOV:25° × 18.8°
Laser Rangefinder	Temperature measuring range (Optional)	Center point, Highest and Lowest temperature display; Global temperature measurement
	Infrared wavelength	905nm (Class I safety laser)
	Measuring range	5-1500 m (not allowed to illuminate objects less than 5 m)
Accuracy/Resolution		Accuracy within 400m, ≤ ± 1m, outside 400, ≤ ± 0.4m%,; Ranging resolution 0.1m
Device Size		127mm×130mm×147mm
Working Condition		-10℃ to +55℃ / 20% to 80% RH

Stored Environment	-20°C to +60°C / 20% to 95% RH
Main application	UAV aerial photography
Weight	690±10g

Pseudo Color mode



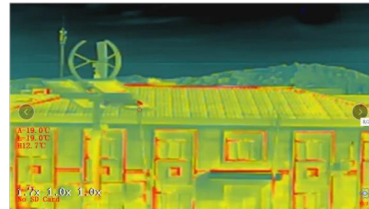
## Picture in picture mode



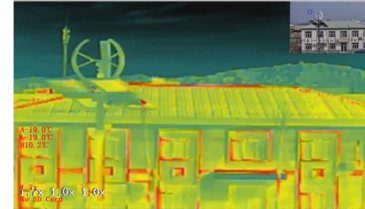
Zoom Visible light



Visible light +Thermal infrared



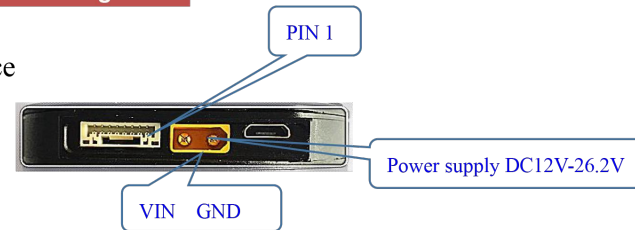
Thermal infrared



Thermal infrared + Visible light

## Connection Application Diagram

Electrical Interface



No.	Model	Interface Type	Interface definition	Function
1	8PIN	Power supply	GND	GND
2		Power supply	5V	5V+ output
3		communication interface	RxD4	Serial port receiving
4		communication interface	TxD4	Serial port sending
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 the product upgrade, the appearance / size / weight / power consumption may change slightly. Please contact the sales department for the latest data. Thank you for read our product.

---

**CONTACT CHINA MONEYPRO GROUP NOW:**

**EMAIL: SALES@MONEYPROUAV.COM**

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