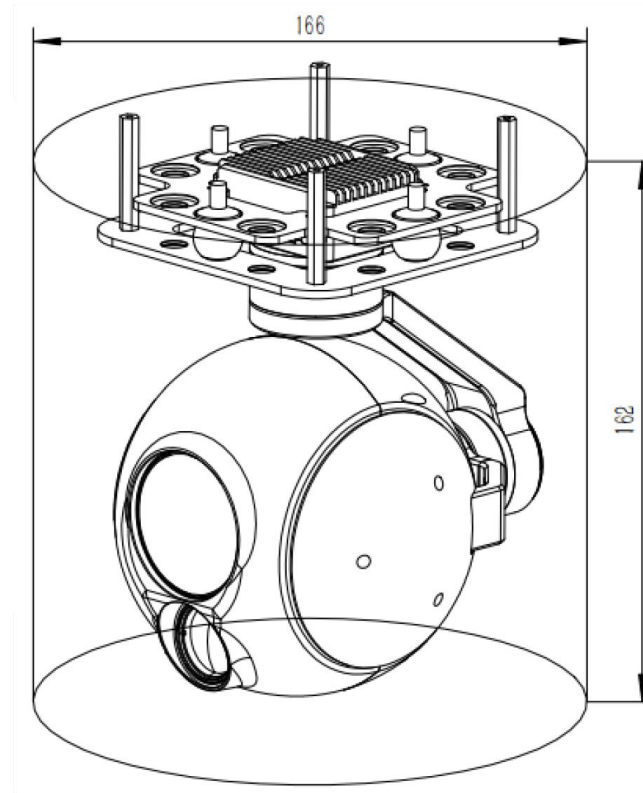


Functional Features


- 270X Hybrid zoom^①
- 640 Thermal 25mm Focal Length
- Network/UART^②/S.BUS Control
- Multiple thermal imaging pseudo color modes
- AI Target Detection and Tracking
- 3-Axis Stabilization Pod, $645 \pm 10g$

System composition



Note^①: 270X Hybrid zoom means: 30X optical Zoom+9X Digital Zoom.

Note^②: UART means: 3.3V, LVTTTL UART.

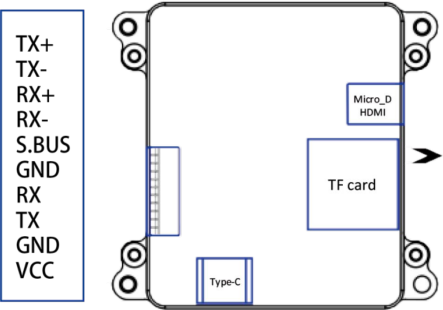
		
Voltage		DC12~26.2V③
Power Supply		Dynamic 6W
Gimbal	Roll Angle	- 45° ~ + 45°
	Pitch Angle	-40° ~ +100°
	Yaw Angle	-295° ~ +295°
	Pitch and Roll Jitter Angle	±0.02°
	Horizontal Jitter Angle	±0.03°
	One-Click Restore	One-click restore to the initial position
	Adjustable Gimbal Speed	When the gimbal rotates, the speed is adapted based on the current speed mode and the visible light camera multiple.
Zoom EO	Control Modes	Support network IP control, S.BUS control, UART control (PWM control is optional)
	CMOS SENSOR	1/2.8 INCH 200 mega pixel wide dynamic CMOS SENSOR
	Optical Zoom	30x HD optical zoom lens, f=4.5~135 mm ±5%
	AF Time	Real time fast focusing, focusing time < 1s
	Video Output	Network output RTSP 1080P stream, local TF 1080P storage
Thermal Imaging	Field Angle (FOV)	D : WIDE 67.8° ±5% TELE 2.77° ±5% H : WIDE 59.8° ±5% TELE 2.34° ±5% V : WIDE 40.5° ±5% TELE 1.48° ±5%
	Resolution	640×512
	Pixel spacing	12μm
	Type	Uncooled vanadium oxide
	Wavelength range	8~14μm
	Thermal sensitivity (NETD)	≤50mk@F1.0@25℃
	Contrast, pseudo color	Adjustable, multiple pseudo color modes
	Field of view	25mmLens, Field of view: 17.3×14.0°
Target recognition and tracking	Measurement function (optional)	Support global temperature measurement, optional full pixel temperature saving function
	Minimum tracking target size:	16×16 pixel
	Maximum tracking target size:	256×256pixel
	Maximum occlusion time:	2s
	Maximum speed supported:	50pixel/frame
	Maximum number of recognition:	100
	Recognized categories:	Human and vehicle
Network support mode	Minimum recognized size:	32×32 pixel
	Network support mode	1080P 30fps

HDMI support mode	Micro-D HDMI 1080P 60fps
Dimension	166mm * 162mm
Operating Environment	-10℃ to +55℃ / 20% to 80% RH
Storage Conditions	-20℃ to +60℃ / 20% to 95% RH
Main application	UAV/Drone Photography
Weight	645±10g

Note③: Voltage :DC12V~26.2V, Please note that the instantaneous voltage of the power supply cannot exceed 27V.

Connection application diagram

Electrical interface



No.	Model	Interface type	Interface definition	Function
1	10PIN	Communication interface	Tx+	Network interface
2		Communication interface	Tx-	Network interface
3		Communication interface	Rx+	Network interface
4		Communication interface	Rx-	Network interface
5		Communication interface	S. BUS	S. BUS Input
6		Signal Ground	GND	GND
7		Communication interface	RX	Serial receiver
8		Communication interface	TX	Serial send

		interface		
8		Communication interface	TX	Serial send
9		Power ground	GND	GND
10		Power port	VCC	DC 12V-26.2V

*** Due to product upgrade, appearance/size /Weight/ power consumption may be slightly changed, please contact sales for the latest data, please understand.**

CONTACT CHINA MONEYPRO GROUP NOW:

EMAIL: SALES@MONEYPROUAV.COM

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