

Feature

- 20xOptical zoom+640 thermal infrared
- Multiple pseudo color switching
- Multiple picture in picture modes
- 1080P network output, two-way communication
- 3-Axis stabilized gimbal waterproof pod Ip66
- Ground end software display and control
- Single TF card, double channel synchronous recording

Device Structure

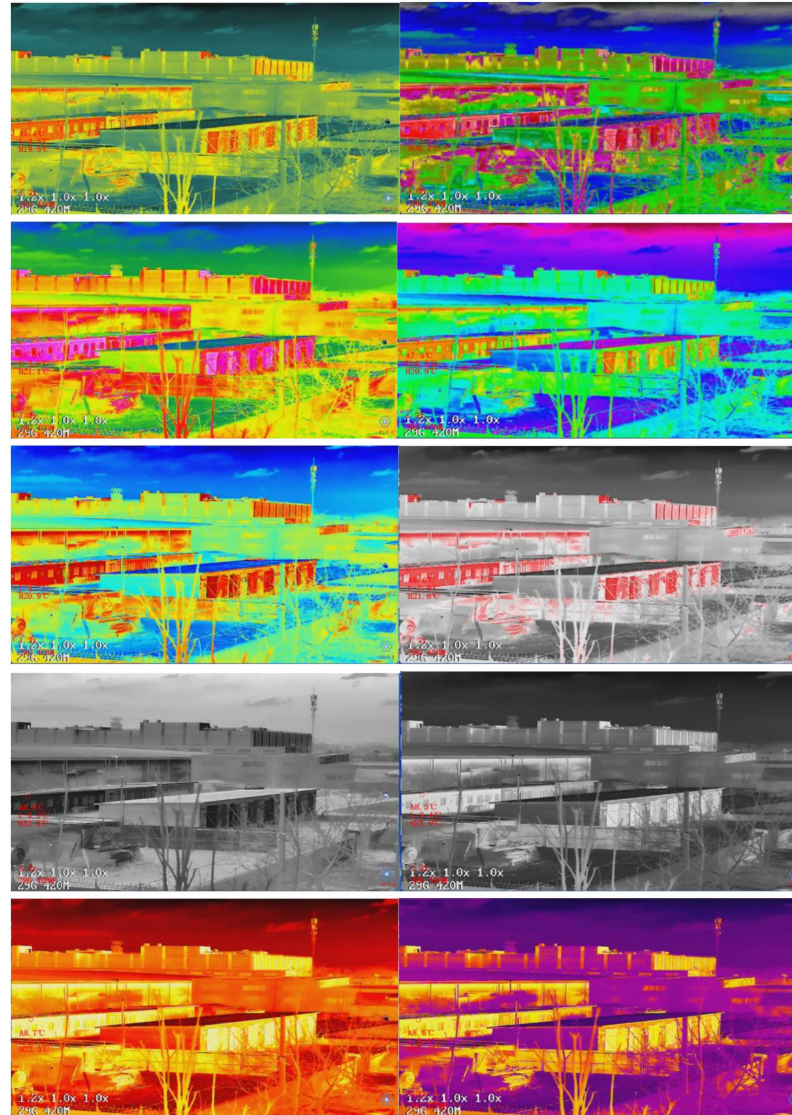




Voltage		3S -6S (12V-26V)
Voltage		Static 8.4W, dynamic 11W
operating characteri stic	Roll Angle	-45°~+45°
	Pitch Angle	-50°~+105°
	Yaw Angle	-160°~+160°
	Angle jitter in Pitch and Roll	±0.02°
	Horizontal angle jitter	±0.03°
	One click return function	One click automatic quick return to the initial position
	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.
	Control mode	Support network IP control and serial port control (optional SBUS and PWM control)
白光摄像 机参数	CMOS Size	1 / 2.8 Inch 2 mega pixel wide dynamic CMOS sensor
	Optical Zoom	20x HD optical zoom lens, f=4.5±10%~135±10%mm
	Focusing time	Real time focusing, fast focusing time < 1s
	Video output	Network HD RTSP output 1080p, video stream local TF storage
	Field Angle(FOV)	D:WIDE 72°±5% TELE 3.8°±5% H:WIDE 55.5°±5% TELE 3.0°±5% V:WIDE 43°±5% TELE 2.2°±5%
	Support Mode	1080P 30fps
	Resolution	640*512 pixel
Thermal Camera	Pix Spacing	12μm
	Type	Uncooled vanadium oxide
	Wavelength coverage	8~14μm
	Thermal sensitivity NETD	≤50mk@25℃@F1.0
	Video output	Network IP output
	Field angle	19mm lens, FOV: 22.9x18.4
	Measurement function (optional)	Center point, maximum temp and minimum temp display; Support all area temp measurement
	Device Size	120mm×160mm×192mm
Working Condition		-10℃ to +45℃ / 20% to 80% RH
Stored Environment		-20℃ to +65℃ / 20% to 95% RH
Main application		UAV aerial photography
Weight		1150±20g

Pseudo Color Switching

Multiple pseudo color modes are displayed, can be switched through command cycle. As shown in the below



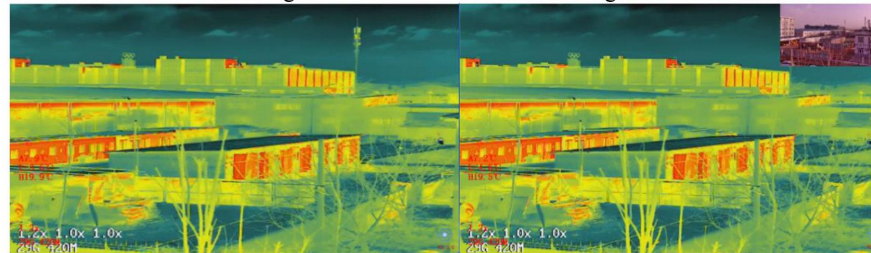
Picture in picture switching network output

Support the 4 kinds modes on picture in picture: Single visible light mode, visible light in big picture+Thermal infrared imaging small picture mode(default mode),single thermal infrared imaging mode, thermal infrared imaging big picture+visible light small picture mode.



Visible light

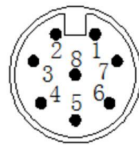
Visible light +Thermal infrared



Thermal infrared

Thermal infrared + Visible light

Connection application diagram



No.	Model	Interface type	Interface definition	Function
1	aviation plug	Power interface	VCC	GND
2		Power interface	GND	+5V Output
3		communication interface	TX-	Network interface
4		communication interface	TXD	Serial port sending
5		communication interface	TX+	Network interface
6		communication interface	RX+	Network interface
7		communication interface	RXD	Serial port receiving
8		communication interface	RX-	Network interface

CONTACT CHINA MONEYPRO GROUP NOW:

EMAIL: SALES@MONEYPROUAV.COM

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