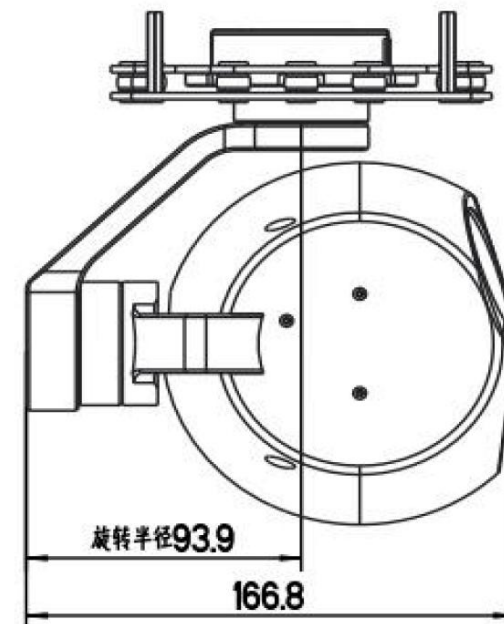
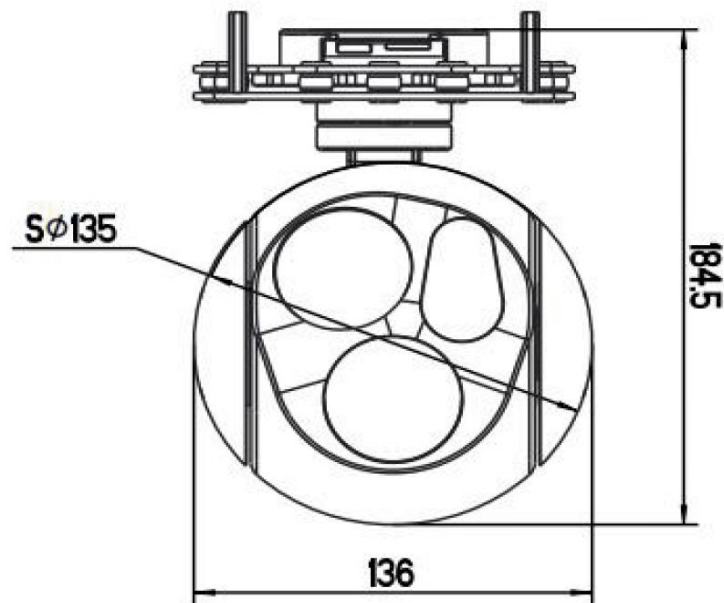


Features

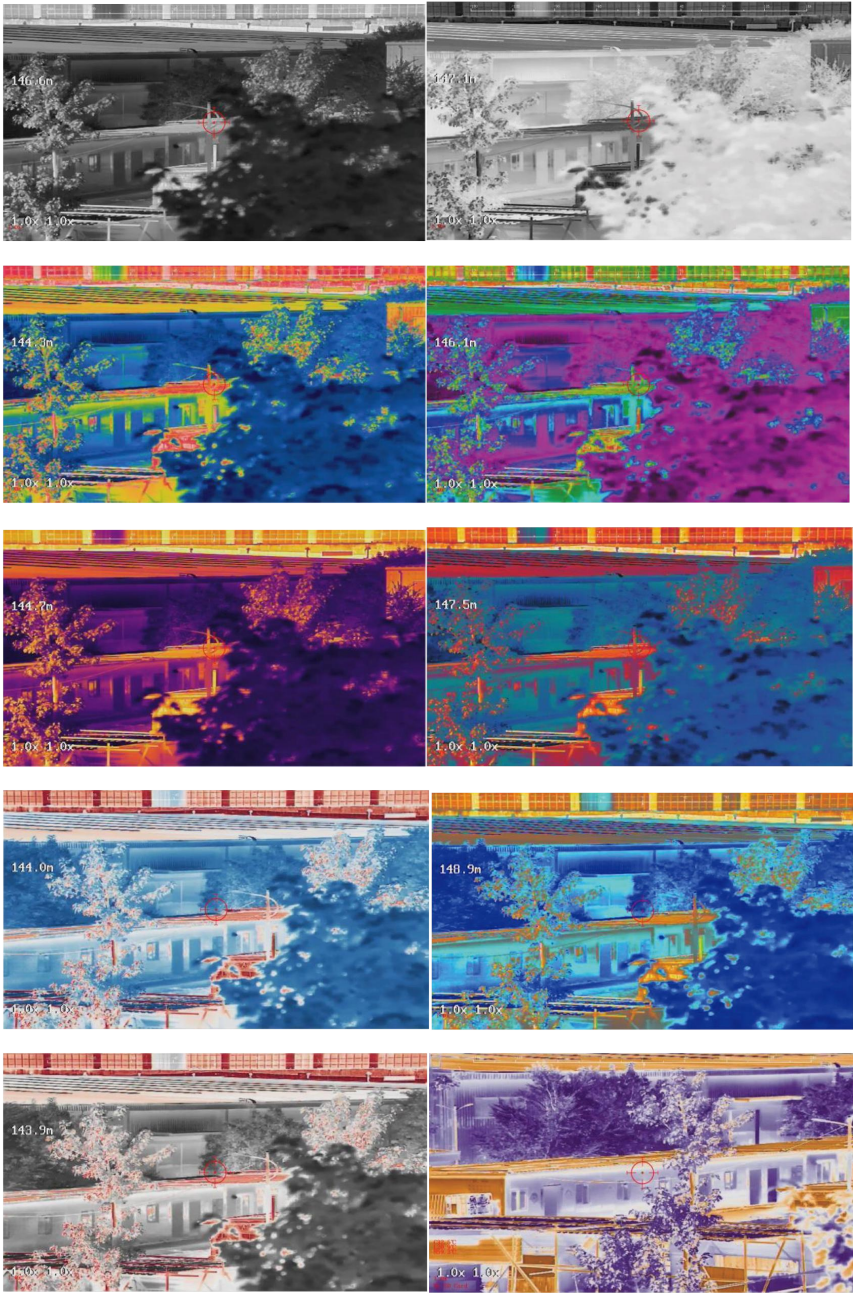
- 270x hybrid zoom
- Four picture-in-picture modes
- 45mm focal length 640 thermal imaging
- Single TF card, dual synchronous video recording
- 3000 m laser ranging
- Ten false color patterns
- Network, serial port^② synchronous control
- Three axis enhanced stability pod, $1110 \pm 20g$

System composition



		
Voltage		DC12V-26.2V
Power Consumption		Static 6w
Gimbal	Pitch Angle	-35~+120°Jitter ±0.02°
	Yaw Angle	360°Infinite rotation Jitter±0.03°
	Gimbal Mode	Support gimbal Lock/Follow mode; One-click return to the initial position
	Control method	Speed self-adaption and controllable, external control of IP network or TTL serial
Visible Light Camera	CMOS Size	1/2.8inch 2MP wide dynamic range CMOS SENSOR
	Optical Zoom	30x Optical Zoom, f=4.5±10%~135±10%mm
	Focusing Time	Real time fast focusing, focusing time < 1s
	Video Output	IP output RTSP 1080P and 480P video stream, Local TF 1080P record
	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%
	Support mode	1080P 30fps
Laser Range	Laser wave	1535nm safety for eyes
	Detect range	15~3000m (Objects less than 15m can not be irradiated)
	Accuracy / Resolution	Accuracy ≤± 1m; Ranging resolution ≤ 15m
Thermal imaging	Resolution	640*512 pixel
	Pixel spacing	12μm
	Type	Uncooled infrared microbolometer camera
	Wavelength range	8~12μm
	Thermal sensitivity (NETD)	≤50mk@F1.0
	Contrast ratio, Pseudo color	Adjustable, multiple pseudo color modes switch
	Field Angle	45mm Lens. Angle: 9.7°x7.8°
	Measurement (Optional)	Center point, highest temperature, lowest temperature, all area temperature display
Device Size		184.51mm×136mm×167.47mm
Work Condition		-10℃ to +50℃ / 20% to 80% RH
Storage Condition		-20℃ to +60℃ / 20% to 95% RH
Application		UAV aerial photography
Weight		1110±20g

Pseudo Color mode

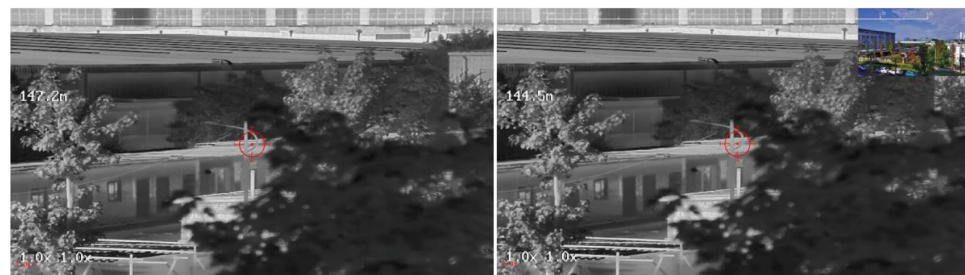


Picture in picture mode



Visible light

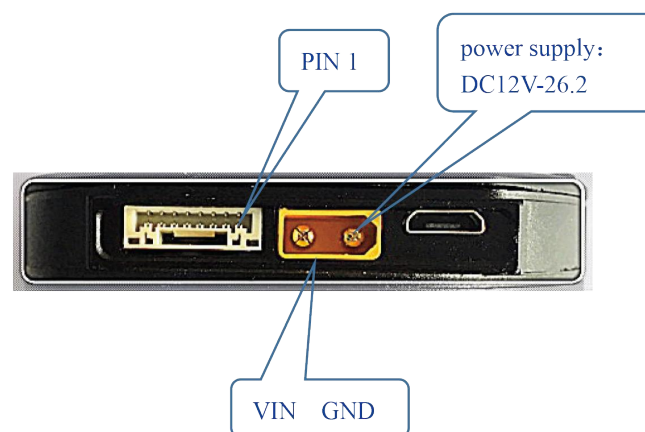
Visible light + Thermal infrared



Thermal infrared

Thermal infrared + Visible light

Connection application diagram



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