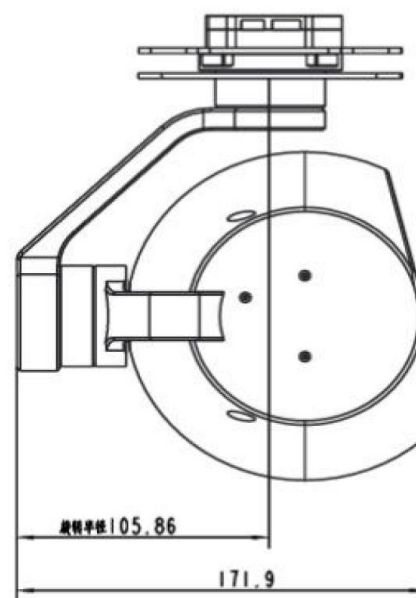
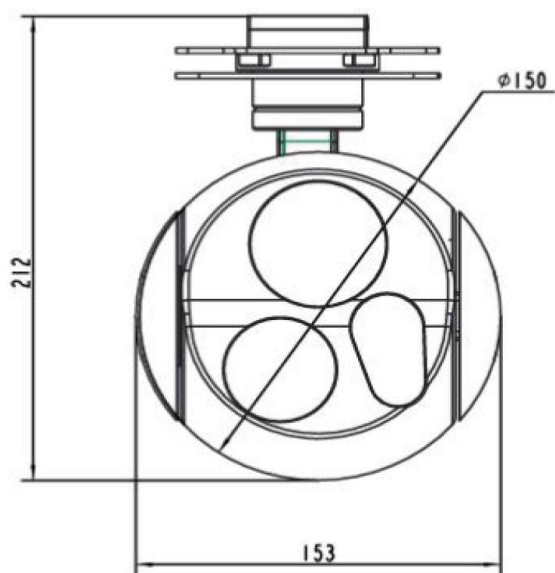


Features

- 270x Hybrid zoom^①
- AI Target Detection and Tracking
- 50mm focal length 640 thermal imaging
- 5000 m laser ranging
- Network, serial port^② synchronous contro
- Three axis enhanced stability pod,1520g

System composition



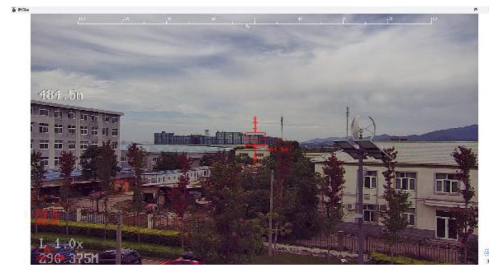
NOTE^①:270x Mixed Zoom : 30x optical zoom+9x digital zoom

NOTE^②: The serial port refers to: 3.3V LVTTTL UART.

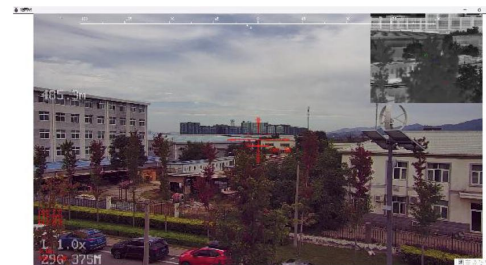


Voltage		DC12V-26.2V
Power Consumption		Dynamic 10W
Gimbal	Roll Angle	- 45°~ + 45°
	Pitch Angle	-30°~ +120°
	Yaw Angle	-280°~ +280°
	Gimbal Mode	Support gimbal Lock/Follow mode; One-click return to the initial position
	Control method	Speed self-adaption and controllable, external control of IP network or TTL serial
Visible Light Camera	CMOS Size	1/2.8inch 2MP wide dynamic range CMOS SENSOR
	Optical Zoom	30x Optical Zoom, f=4.5~135 mm ±5%
	Focusing Time	Real time fast focusing, focusing time < 1s
	Video Output	IP output; RTSP 1080P video stream, Local TF 1080P recording
	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	1535±10nm safety for eyes
	Detect range	50--5000m
	Accuracy / Resolution	Accuracy±1m; Ranging resolution ≤ 40m
Thermal imaging	Resolution	640*512 pixel
	Pixel spacing	12μm
	Type	Uncooled infrared microbolometer camera
	Wavelength range	8~14μm
	Thermal sensitivity (NETD)	≤50mk@F1.0@25°C
	Contrast ratio, Pseudo color	Adjustable, multiple pseudo color modes switch
	Field Angle	50mm Lens, Angle: 8.78°× 7.03°
	Measurement (Optional)	Highest temperature, lowest temperature, all area temperature display
Target recognition and tracking	Min tracking target size	16×16 pixels
	Max tracking target size	256×256 pixels
	Target Memory Time	2 seconds
	Tracking speed	50 Pixel/Frame max
	Simultaneous detection qty	100 targets max
	Recognized categories	Human and Vehicle
Device Size		W153mm*D171.9mm *H212mm
Work Condition		-10°C to +45°C / 20% to 80% RH

Picture in picture mode



Visible light



Visible light + Thermal infrared

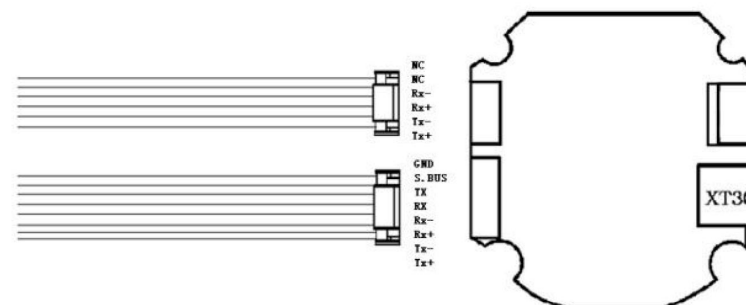


Thermal infrared



Thermal infrared + Visible light

Connection application diagram



No.	Name	Interface Type	Interface definition	Function
1	8PIN	communication interface	GND	GND
2		communication interface	SBUS	SBUS input
3		communication interface	TX	Serial port sending
4		communication interface	RX	Serial port receiving
5		communication interface	Rx-	Network interface
6		communication interface	Rx+	Network interface
7		communication interface	Tx-	Network interface
8		communication interface	Tx+	Network interface

No.	Name	Interface Type	Interface definition	Function
1	6PIN	communication interface	NC	Reserved interface
2		communication interface	NC	Reserved interface
3		communication interface	Rx-	Network interface
4		communication interface	Rx+	Network interface
5		communication interface	Tx-	Network interface
6		communication interface	Tx+	Network interface

Model	Interface Type	Function	Remark
Memory Card	TF Card	Upgrade and store data	Memory card interface on the sphere

***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.**

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