

Multi Sensor Intelligent Thermal Camera



The picture is for reference only, and the appearance of the product is mainly in kind.

Product's Overview

This dual sensor camera is equipped Thermal Camera together with HD low-illumination camera, it can be used for detailed observation of the targets discovered by the thermal imaging, to form a dual-sensor camera with infrared thermal image detection, visible camera, that suitable for long-range target monitoring under all-weather conditions.

Technical Specification

Thermal Camera

Model	ZTVC121030W-2110-IP
Sensor	5 th Uncooled FPA
Resolution	1280*1024
Spectral Response	7 - 14 μ m
NETD	30mK(@25 °C F1.5)
Pixel Size	12 μ m
FOV	29.3°×23.5°~2.9°×2.3°
Image Processing	Image enhancement: SDE; Color: White hot/Black hot; Digital zoom: 2X, 4X, 8X Correction: NUC Brightness and contrast: AGC, adjustable
Frame rate	25 fps
Video	Ethernet

Thermal Lens

Lens Type	Motorized
Focus Control	Auto / Manual
Focal Length	25~300 mm, continuous 10X optical zoom
Detection Range	Human (1.8m*0.5m): 9,100 m Vehicle (2.3m*5m): 20,400 m
Recognition Range	Human(1.8m*0.5m): 2,900 m Vehicle (2.3m*5m): 8,000 m

Features

- 1280 x 1024 uncooled FPA sensor
- 1/1.8" 2 Megapixel CMOS
- Powerful optical zoom lens (thermal & visible)
- IP67

Visible Camera

Image Sensor	1/1.8" CMOS
Effective Pixels	1920(H) x 1080(V)
Min. Illumination	0.05Lux(1/50 sec), 0.005Lux/F1.5(1/50 sec)
Local Storage	Micro SD memory (Optional)
Compression	H.265/H.264
Video bit rate:	32Kbps ~ 16Mbps, 30 FPS
WDR	120 dB

Visible Lens

Focal Length	16.7-1,000 mm
Optical Zoom	60X optical zoom
Digital Zoom	16X
Aperture	Automatic
Focus Control	Auto / Manual

Housing

Material	Integral aluminum alloy
Structure:	Integral double window
Connector	Waterproof aviation connector

Pan/Tilt

Load	100 kg
Range	Pan 0°~360°, Tilt -70°~+70°
Speed	Pan: 0.02°/S ~ 800°/s Tilt: 0.02°/S ~ 80°/S
Precision	0.02°
Preset	255
Gyro stabilization	Support



Interface

Network	1 way RJ45 (Onvif Profile-S),
Protocol	Support TCP/IP, UDP, IPv4/v6; support HTTP, RTP, RTSP, NFS, DHCP, NTP, ONVIF 2.0
Physical interface	Alloy waterproof aviation plug

Electrical

Power supply:	110-220V±20V, 50HZ ±5HZ
Power Consumption	Max 300W

Environment

Working temperature	- 40°C ~ + 65°C
Storage temperature	-45°C ~ + 70°C
Humidity:	Less than 95%
Anti salt fog	Support
Anti-corrosion	Support
Lightning protection	Support
Ingress Protection	IP67
Weight	Less than 110 Kg



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