



ST-U295-1000

Uncooled Multisensor
Camera Up To 18 Km

Product description

Uncooled Multisensor Camera combines visible camera, and thermal camera that suit long distance monitoring in total darkness and foggy/rainy environment. It has a U shape housing and with military quality, the camera is widely applied to coastal, seaport, airport, Forest fire prevention.

In the day time, HD lens and 2 megapixel color to B/W CMOS works. At night, the 640*512 uncooled thermal camera. The Uncooled Multisensor Camera can detect vehicle at 18 km 24/7 hours. Internal industrial-grade embedded electronic control system support the Uncooled Multisensor Camera operation: zoom, focus, video switch, pan tilt. The integral aluminum alloy housing IP66 makes sure outdoor long running.

General Functions

- Aluminum alloy housing, anti-corrosion paint, anti-seawater corrosion, spherical housing, resisting 33m/s wind.
- Precision positioning.
- Data feedback: real-time feedback direction, angle, focal length and focusing data, track and locate the target. (cooperate with application software) High load duty.
- Max rotation speed 45°/s, min rotation speed 0.01°/s.
- Pan rotation angle range 0-360°, tilt rotation angle range $\pm 45^\circ$.
- Uncooled Multisensor Camera combines thermal camera, visible camera, pan tilt, housing and decoder.
- One integral aluminum alloy housing, waterproof, IP66, anti-dust.

Application

Border defense, lake and river monitoring, airport security, city safety, forest fire prevention.

DRI Ranges

	Detection	Recognition	Identification
Vehicle	18 Km	6 Km	3 Km
Human	8 Km	2.6 Km	1.5 Km

Technical Specification

Thermal sensor	uncooled detector, 640*512; 7.5um-14um spectral response , 50mk NETD
Thermal lens	95-295 mm, Dual view Electric zoom and auto focus
Fov	6.5°× 4.9°/2.1°× 1.6°
Visible lens	16.7-1000mm motorized zoom DC8-12V zoom data feedback
Visible sensor	1/1.8”CMOS 0.0002lux super high sensitive color to B/W CCD 2 megapixels,1920X1080 Automatic ICR switch H.264/MPEG4/MIPEG 32Kbps~16Mbps,60Hz30 FPS ABF auto adjust function

Technical Specification

PTZ	Load: 50kg U Shape housing, Multi-dimensional free-form surface shape resisting 33m/s wind. Rotation speed Pan: 0.01°~45°/S; Tilt: 0.01°~45°/S; PT Pan: 0~360°; Tilt: -45°~+45° Preset 200
Image process	2X digital zoom; Image processing; AGC; 10 pseudo color; SDE image enhancement;
Fog filter	AFR color fog fliter technology
Housing	Material: High strength aluminum alloy shell, waterproof seal To avoid the growth of mold and moisture generated Structure: Integrated double-window design Surface coating: PTA three-resistance coating, Seawater corrosion resistance Built-in thermostat, design of thermal equilibrium Interface: Aviation waterproof plug
Interface	1.1 channel 10M / 100M adaptive Ethernet port 1 AC24V / DC24V, 2. Military-grade waterproof aviation plug
Video format	H.264, Dual video output
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP ect. Other protocol Support ONVIF2.0 Pelco-P, Pelco-D, Baudrate 2400, 4800, 9600, 19200 optional
Power supply	AC220V±20% Turntable rotation power can be controlled in 120W, maximum power consumption 150W, stationary machine power 45W, heating 150W

Environment

Working temperature	-40°C~+ 65 °c
Storage temperature	-40 °c~ + 65 °c
Humidity	<90%
Protection	IP66
Weight	115KG

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