



Thermal
Bi-spectrum



SRPTDN256/5M

Thermal Module

Image Sensor
Max. Resolution
NETD (Noise Equivalent
Temperature Difference)
Lens (Focal Length)
Min. Focusing Distance
DRI Distance Human
Heat Detection Distance
Aperture

Vanadium Oxide Uncooled Focal Plane
Arrays
256x192
≤40mk@25°C F#1.0, 25Hz
3.2mm
0.3m
Detection: 126m(413ft), Recognition:
32m(105ft), Identification: 21m(69ft)
20m(66ft)
F1.1

Optical Module

Max. Image Resolution
Image Sensor

2592x1944
1/2.7" Progressive Scan CMOS
Colour: 0.003 Lux @(F1.6, AGC ON), B/W: 0
@IR ON
1/5s to 1/100,000s
3.6mm
Horizontal: 81°, Vertical: 57°, Diagonal: 108°
IR cut filter with auto switch
12μm
8-14μm
3.75 mrad
56°x42°
Detection: 421m(1381ft), Recognition:
90m(295ft), Identification: 53m(174ft)
DWDR

Min. Illumination
Shutter Speed
Lens (Focal Length)
Field of View
Day & Night
Pixel Interval
Response Waveband
IFOV
Field of View
DRI Distance Vehicle
WDR

Image Function

Bi-spectrum Image Fusion

Fusion view of thermal view and overlaid
details of the optical channel

Smart Function

Intelligent Analytics

*Optical: Intrusion, Region Entrance,
Region Exiting, Line Crossing, Pedestrian &
Vehicle, Object Detection, Crossing
Counting, Crowd Density, Queue Length,

KEY FEATURES



WHERE

Construction sites, Power plants & energy facilities, Farm agricultural
lands, Parking lots, Warehouses.

WHY

Our dual lens thermal with fire detection and temperature
management. Detects hot spots before fire breaks out. Bi-spectrum
image fusion, overlay the details of the optical channel for finer
details in the thermal image. Built in red and blue light and siren for
alarm activation. +8° Accuracy. Also perfect for foggy and misty
areas.

Smart Function

Intelligent Analytics

Heat MAP, Rare Sound, Face Detection
Thermal: Intrusion, Region Entrance, Region Exiting, Line Crossing detection, Fire detection, Temperature exception alarm, Pedestrian & Vehicle"
Global, 12 points, 12 areas, and 12 line.
-20°C to +150°C (-4°F to +302°F)
±8°C (±14.4°F)
Yes

Temperature Measurement

Temperature Range
Temperature Accuracy
Fire Detection

Illuminator

Supplement Light Type

Supplement Light Range
IR Wavelength
Smart Supplement Light
Warning Light

IR and Warm Light
Up to 30 m (IR) / 15m (Warm light)
850nm
Yes
1 Red & 1Blue flashing light

Network

Main Stream

"Visible Light: 50Hz@25fps; 5MP(2592x1944), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280x960), 720P(1280x720)
60Hz@30fps; 5MP(2592x1944), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280x960), 720P(1280x720)
Thermal: 50Hz/60Hz@25fps; 1280x720, 640x480"

Sub-stream

"Visible Light: 50Hz@25fps; 720P(1280x720), VGA(640x480), QVGA(320x240)
60Hz@30fps; 720P(1280x720), VGA(640x480), QVGA(320x240)
Thermal:
50Hz/60Hz@25fps; 640x480, 320x240"

Mobile Stream

"Visible Light:
50Hz@25fps; VGA(640x480), QVGA(320x240)
60Hz@30fps; VGA(640x480), QVGA(320x240)"
H.265/H.265+/H.264/H.264+MJPEG
G.711u/G.711a
TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
3 users, 2 levels: Administrator, User
User authentication (ID and PW), HTTPS encryption, IP address filtering

Video Compression

Audio Compression

Protocols

User/Host Level

Security Measures

Integration

Alarm Input

Alarm Output

Alarm Action

1-ch inputs
1-ch outputs
SD recording/Alarm output/smart capture/FTP upload/email linkage/ audio alarm/Red & Blue flashing light

Audio Input

Audio Output

Reset

Communication Interface

1-ch
1-ch outputs/ 1 Built-in speaker
Yes
1, RJ45 10M/100M self-adaptive Ethernet interface.

SD Memory Card

Web Browser

Built-in micro SD card slot (up to 256 GB)
IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above

General

Menu language

English, Russian, German, Italian, French, Portuguese, Spanish, Turkish, Japanese
12 VDC ± 20%, PoE (802.3af)
Max.10.4W
Temperature: -35 °C to 60 °C (-31 °F to 140 °F) ; Humidity: 90% or less
IP67
φ134.9mm*114.4mm(φ5.31"*4.50")
Approx. 0.82kg(1.80lb)
RoHS2.

Power

Power Consumption

Working Temperature/Humidity

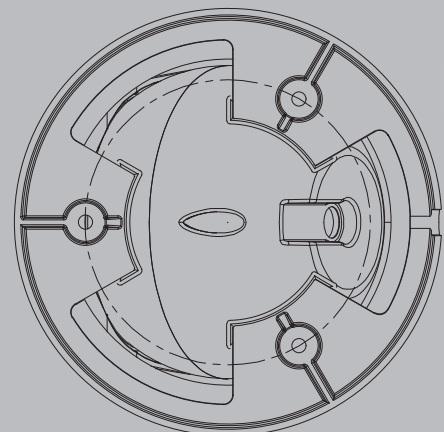
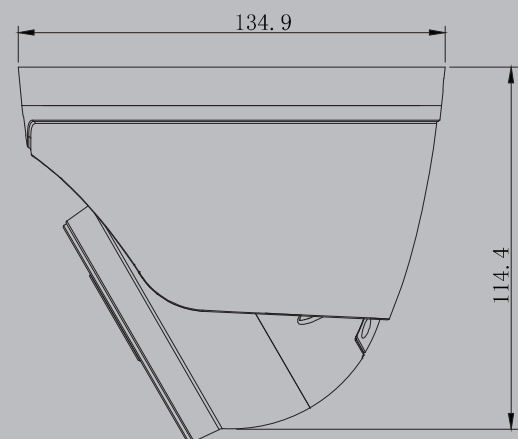
Protection Level

Dimensions

Weight

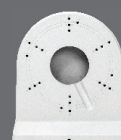
Environment

Dimensions

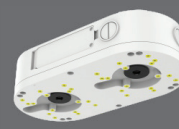


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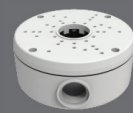
ACCESSORIES (Optional)



SRVFDWB



SRBDPOEWB



SRPJB/W



SRPJB/W