

MODEL #

B7T4IP5MP-AI-V2



THERMAL **NETWORK CAMERA**



5MP
RESOLUTION



5MP
2592(H)×1944(V)

Optical
3.5 mm
Thermal
3.2



IR Up to 30M

See In Color At
Night



Alarm/Audio
In/Out

Temperature
Measurement
-20 to +550 °C



IP67 Waterproof &
Dustproof

Micro SD Card
Slot up to 512GB

Discover our **B7T4IP5MP-AI** thermal imaging camera, offering advanced security features. With 5MP resolution, it delivers crystal-clear images, capturing every detail with precision. Two-way communication enables real-time interaction, improving situational awareness. The in/out alarm adds a layer of security by alerting to potential threats. Equipped with temperature measurement capabilities, it goes beyond traditional monitoring by identifying anomalies. The bi-spectrum fusion image offers a unique view by combining thermal imaging with optical channel details. Invest in unrivalled safety with our thermal imaging camera.



THERMAL MODULE

Sensor	1/2.7" Progressive Scan CMOS (optical)
Max Resolution	Optical 2592×1944 Thermal 1280x720
Pixel Pitch	12µm
Response Waveband	8-14µm
Netd	≤40 mK @ 25°C
Focal Length (mm)	3.2 mm
Ifov	3.75 mrad
Field of View	H 81° / V 57° / D 108°
Min. Object Distance	0.3 m
VCA Distance Human	18.6 m
VCA Distance Vehicle	49 m
Heat Detection Distance	20 m
Aperture	F1.1
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays

OPTICAL MODULE

Effective Pixels	5MP 2592(H)×1944(V)
Min Illumination	Color 0.003 lux @(F1.6, AGC ON), B/W 0 (IR on)
Shutter Speed	1/5 – 1/100000 s
Wide Dynamic Range (WDR)	WDR 120 dB
Day Night Mode	IR cut filter with auto switch (Day/Night/Auto/Schedule)
Bi Spectrum Fusion	Fusion view of thermal view and overlaid details of the optical channel
Supplement Light Type	IR + warm light
Supplement Light Range	30 m (IR) / 15 m (warm)
IR Wavelength	850 nm
Smart Supplement Light	Yes
Deterrent Lights	2 (1 red & 1 blue)
Focal Length (mm)	3.6 mm

NETWORK

Resolution	Main Stream 50Hz@25fps; 5MP(2592x1944), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280*960), 720P(1280x720) 60Hz@30fps; Sub Stream 50Hz@25fps; 720P(1280x720), VGA(640x480), QVGA(320x240) 60Hz@30fps; 720P(1280x720), VGA(640x480), QVGA(320x240) Thermal Mobile Stream 50Hz@25fps; VGA(640x480), QVGA(320x240) 60Hz@30fps; VGA(640x480), QVGA(320x240)
Compression	H.265+/H.265/H.264+/H.264/MJPEG
Audio Codecs	G.711u, G.711a
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Max Users	10 users, 2 levels: Administrator, User
Security	User authentication (ID and PW), HTTPS encryption, IP address filtering

INTEGRATION

Alarm Input	1-ch inputs
Alarm Output	1-ch outputs
Alarm Actions	SD recording, Alarm output/smart capture, FTP upload/ email linkage/ audio alarm, Red & Blue flashing light
Audio Input	1-ch
Audio Output	1-ch outputs/ 1 Built-in speaker
Hardware Reset	Yes
Ethernet	1× RJ45 (10/100BASE-T)
Onboard Storage	Micro SD, up to 512GB
Video Output	NA
Web Viewer	IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+



SMART FUNCTION

Temperature Measurement	3 temperature measurement rule types (points, areas, and line) 20 rules in total
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Temperature Range	-20°C to +550°C
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Temperature Accuracy	±3°C
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Fire Detection	Yes
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Ai Features	Optical: Intrusion, Region Entrance, Region Exiting, Line Crossing, Pedestrian & Vehicle, Object Detection, Crossing Counting, Crowd Density, Queue Length, Heat MAP, Rare Sound, Face Detection Thermal: Intrusion, Region Entrance, Region Exiting, Line Crossing detection, Fire detection, Temperature exception alarm, Pedestrian & Vehicle
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GENERAL

OSD Languages	English, Russian, German, Italian, French, Portuguese, Spanish, Turkish, Japanese
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Input Voltage	DC12V / PoE (IEEE 802.3af)
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Power Consumption	max 10.9 W
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Operating Temp / Humidity	-34°C to 60°C / ≤ 90% RH
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IP Rating	IP67
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Dimensions	Ø108×314.6 mm
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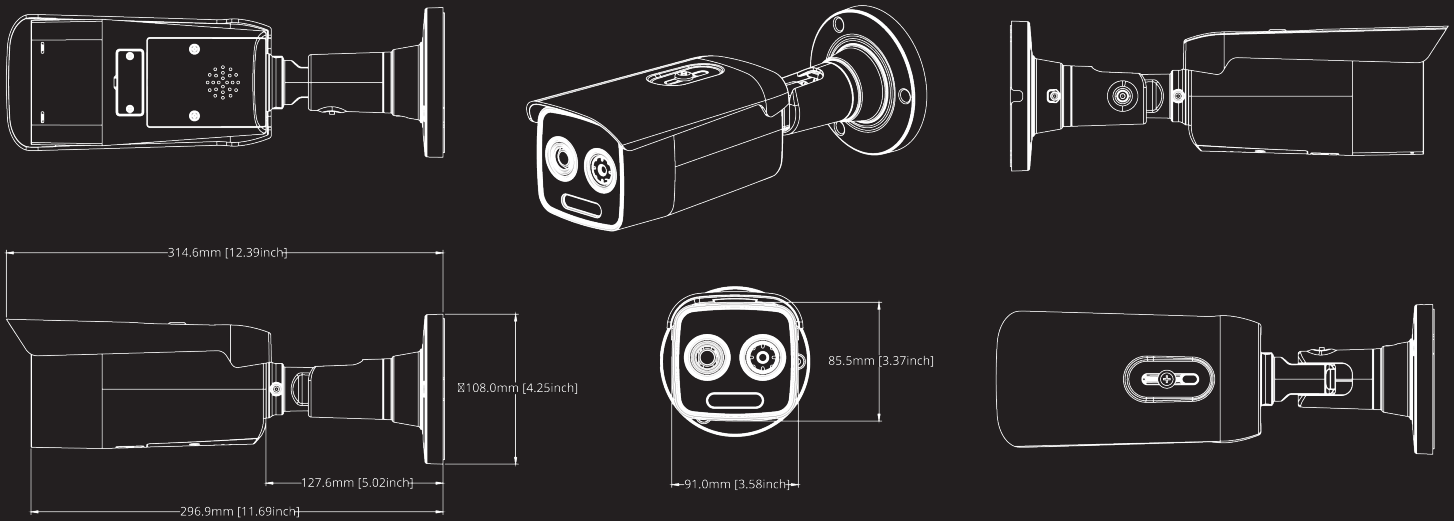
Weight	1250 g
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Environment	RoHS2.0
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DOWNLOAD THE OV CONNECT APP

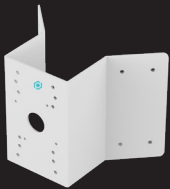


DIMENSIONS



COMPATIBLE ACCESSORIES

CORNER MOUNT SOLUTION



 **COMB6**
CORNER MOUNT BRACKET

POLE MOUNT SOLUTION



 **PMB6**
POLE MOUNT BRACKET

WALL MOUNT SOLUTION



 **WMB5**
WALLMOUNT BRACKET

OR



 **WMB6**
WALLMOUNT BRACKET

+



 **EB3BASE3-G**
PENDANT

JUNCTION BOX



 **TEBBASE1**
JUNCTION BOX

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