PROVISION ISR
PROTECTING YOUR PRIVACY

BLH-THERMAL2-9-V2

5MP Optical / VGA Thermal Bi-Spectrum Fixed Lens Large Bullet Camera with Hybrid LED and DDA Analytics

Ideal for fire detection, temperature monitoring, and security surveillance, this 5MP Thermal camera can detect, alert and provide complete situational awareness in the most challenging environments. The BLH-THERMAL2-9 incorporates an optic lens and a thermal module, allowing operators to monitor large areas in total darkness, glaring light, and adverse weather by combining thermal and visible light images. Equipped with our DDA™ Analytics (Detect, Distinguish, Alert) and active deterrence mechanisms (white strobe light and speaker), the BLH-THERMAL2-9 delivers a strong and impactful tool for any installation.

Thermal

CHECK POINT EMBEDDED

5 MP

1/3 Sensor family

PoE

WDR True

Audio IN

IP66 Protection rating

Alarm IN/OUT

MAIN FEATURES

- BLH-THERMAL2-9-V2
- Optical Sensor: 1/2.7" CMOS
- Optical Resolution: 2592×1944 25/30FPS (5MP)
- Thermal Sensor: 12µm 640×512 Vanadium oxide uncooled focal plane detector
- Thermal Resolution: undefined
- Temperature Range: -20° ~ 150° C
- Lens (FoV): Optical: 4mm (73°) Thermal: 9.1mm (48°)
- True Day&Night – ICR
- Illumination: 70m (2 High-Power IR LED) + White Strobe light
- Compression: H.265/H.264/MJPEG
- Quantum IoT Nano agent by Check Point™
- General Analytics: Camera Tampering
- AI (Optical Image): AI (Object Recognition): DDA Sterile Area, DDA Line Crossing, DDA Object Counting (Line), DDA Object Counting (Area), DDA Loitering Detection, DDA Illegal Parking Detection
- AI (Face Detection): 10 Faces per frame
- AI (Thermal): DDA Sterile Area, DDA Line Crossing
- Audio Exception
- True WDR (120dB), BLC, HLC, ROI
- SD Card: Event/Schedule Record (Up to 256Gb)
- 4Ch Input, 4Ch Output
- Built-in speaker + Audio input
- ONVIF: Profile M/T/S/G
- Water Proof: IP66
- Weight: ~1230g
- Power: DC12V/~850mA / PoE/~12.5W

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SPECIFICATIONS

Video (Optical)	
Image Sensor	1/2.7" CMOS
Effective Pixels	2592x1944
Electronic Shutter	1/3 ~ 1/100000s
Frame Rate	1-25/30FPS
Day & Night	ICR
Min. Illumination	Day: 0.1lux / Night: 0.02lux (@F1.6, AGC on) 0lux with IR on

Video (Thermal)	
Detector Type	12μm 640×512 Vanadium oxide uncooled focal plane detector
Thermal Resolution	640×512
Temperature Range	-20° ~ 150° C
Measurement Accuracy	±8°C (Varies with target emissivity, ambient conditions, and distance)
Spectral Range	8μm-14μm
Thermal Sensitivity (NETD)	≤40mK(@25°C, F#=1.0)
Color Sets	Black Hot, White Hot, Rainbow, Iron Oxide Red
Temperature Detection Distance	10m (Object size is 0.1m * 0.1m) In Theory: when the size of the object is doubled - the detection distance is also doubled
Fire Detection Distance	30m (Flame size is 0.1m * 0.1m) In Theory: when the size of the flame is doubled - the detection distance is also doubled
DRI Distance Human	Detection: 379m(1243ft) Recognition: 95m(311ft) Identification: 47m(154ft)
DRI Distance Vehicle	Detection: 1163m(3815ft) Recognition: 291m(954ft) Identification: 145m(475ft)

NDAA Compliant	
NDAA Compliant	Yes

Lens	
Lens (Field of View)	Optical: 4mm (73°) Thermal: 9.1mm (48°)
Iris	Fixed Iris

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Lens Mount	M12 Mount

Image	
Image Settings	AWB, AGC Adjustable, Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable, Lens distortion correction
Image Enhancement	True WDR (120dB), BLC, HLC, ROI
Noise Reduction	3D-DNR
Image Orientation	Mirror/Flip
Privacy Zone	Yes

Housing	
Bracket	3-Axis Bracket
Illumination	70m (2 High-Power IR LED) White Strobe light
PoE	Yes
Power Supply	DC12V/~850mA / PoE/~12.5W
Protection Rate	Water Proof: IP66
Work Environment	-30°C~60°C, 10%~90% Humidity
Dimensions	278.3x88.7x100.2mm
Weight (gross)	~1230g
Hard Reset Button	Yes

Network	
Remote Monitoring	IE Browsing, Ossia VMS Software, Provision Cam2 Mobile App
User Access	Supports simultaneous monitoring of up to 10 users with multi-stream real-time transmission
Network Protocol	IPv4, IPv6, TCP, UDP, DHCP, NTP, DDNS, 802.1X, RTSP, Multicast, UPnP, Email, FTP, FTPS, SFTP, HTTPS, QoS, HTTP POST, P2P
ONVIF	Profile M/T/S/G
Ethernet	100Mbps

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Events and Analytics	
Analytics	General Analytics: Camera Tampering AI (Optical Image): AI (Object Recognition): DDA Sterile Area, DDA Line Crossing, DDA Object Counting (Line), DDA Object Counting (Area), DDA Loitering Detection, DDA Illegal Parking Detection AI (Face Detection): 10 Faces per frame AI (Thermal): DDA Sterile Area, DDA Line Crossing Audio Exception
Motion Detection	Yes

Connectivity	
Network	RJ45 (+PoE)
Audio Connectivity	Built-in speaker + Audio input
Alarm	4Ch Input, 4Ch Output
SD Card	Event/Schedule based Main/Substream recording (Up to 256Gb)
Power	PoE / DC Socket
Analog Video Output	No

Compression	
Video Compression	H.265/H.264/MJPEG
Multi-Stream	Master Stream: 5MP(2592x1944) / 4MP(2592x1520) / 2K (2560x1440) / 3MP / 2MP / 1MP Substream: 1MP / D1 / CIF / QCIF Third Stream: D1 / CIF / QCIF (1~30fps) Thermal Stream: 1MP / D1 / CIF / QCIF
Bit Rate	64Kbps ~ 11Mbps@H.265 / 64Kbps ~ 11Mbps@H.264
Encode Mode	VBR/CBR
Image Quality	Five levels under VBR; Free adjustment under CBR

Audio	
Audio compression	G.711A/G.711U
Communication	2-Way Audio

3rd Party Cyber Protection	
General	Quantum IoT Nano agent by Check Point™
Protection Methods	Shell injection protection, File Monitor, Import-Table Protection, Dynamic-Memory Protection

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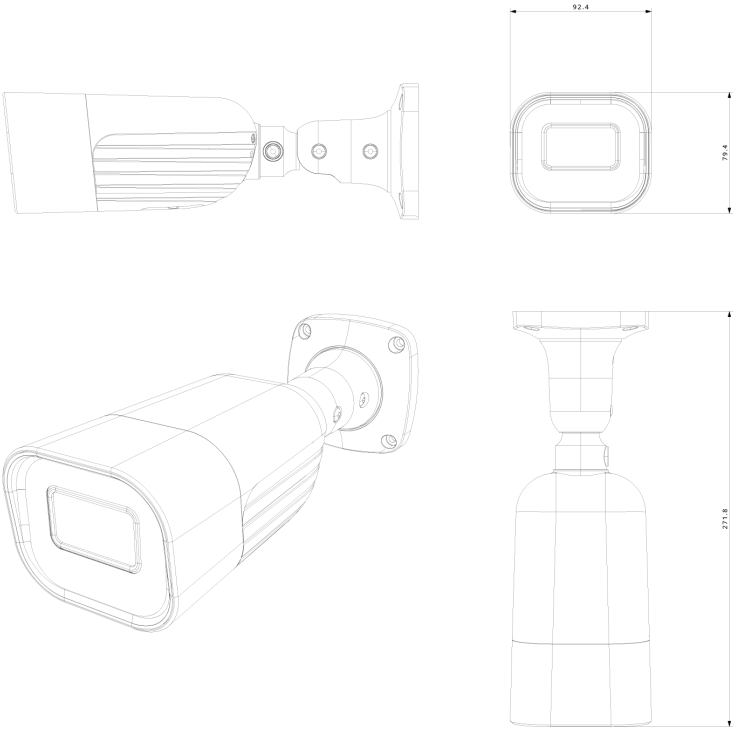
DIMENSIONS



ACCESSORIES

I6 / BLH

IP66 PR-JB14IP66 or IP64 PR-JB14IP64

Wall		Ceiling		Pole			Corner		
	optional		optional		optional	optional		optional	optional
PR-WB14	PR-B10EX PR-B20EX PR-B50EX	PR-CB14	PR-B10EX PR-B20EX PR-B50EX	PR-B50EPB	PR-WB14	PR-CB14	PR-B50ECB	PR-WB14	PR-CB14