

## PCI-B14Z2HS 4 MP DarkFighter Varifocal Bullet Network Camera



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 4 MP resolution
- Excellent low-light performance with DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 140 dB WDR technology
- False alarm reduction through human and vehicle target classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- Anti-Corrosion - NEMA 4X: NEMA 250-2014
- Motorized varifocal lens for easy installation and monitoring



## ▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0014 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR
Day & Night	IR cut filter
Shutter Time	1/3 s to 1/100,000 s
Angle Adjustment	Pan: 0° to 360°,tilt: 0° to 90°,rotate: 0° to 360°
Lens	
Focal Length & FOV	2.8 to 12 mm: horizontal FOV 107° to 40°, vertical FOV 56° to 22°, diagonal FOV 130° to 46° 8 to 32 mm: horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional
Aperture	2.8 to 12 mm: F1.4 8 to 32 mm: F1.6
Lens Mount	Integrated
Iris Type	P-iris
DORI	
DORI	2.8 to 12 mm: D: 61 m to 151 m, O: 24 m to 60 m, R: 12 m to 30 m, I: 6 m to 15 m 8 to 32 mm: D: 150 m to 400 m, O: 59 m to 158 m, R: 30 m to 80 m, I: 15 m to 40 m
Illuminator	
Supplement Light Range	2.8 to 12 mm: up to 60 m 8 to 32 mm: up to 80 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light Type	IR
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360), *Third stream is supported under certain settings.
Fourth Stream	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360), *Fourth stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, Fourth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed region(s) for main stream and sub-stream

Target Cropping	Yes
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
<b>Network</b>	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
Wide Dynamic Range (WDR)	140 dB
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
Day/Night Switch	Day,Night,Auto,Schedule
Image Enhancement	BLC,HLC,3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
<b>Interface</b>	
Alarm	3 inputs, 3 outputs (max. 24 VDC/24 VAC, 1 A)
Audio	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Reset Key	Yes
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Power Output	12 VDC, max. 100 mA

Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, unattended baggage detection,object removal detection,audio exception detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,trigger recording,trigger capture,send email,audible warning
Deep Learning Function	
Face Capture	Yes
General	
Power	12 VDC $\pm$ 25%, 1.08 A, max. 13 W, 24 VAC $\pm$ 20%, 0.9 A, max. 13 W, two-core terminal block, PoE: 802.3at, Class 4, 42.5 V to 57 V, 0.36 A to 0.27 A, max. 15 W
Material	Aluminum alloy body
Dimension	$\varnothing$ 105 mm $\times$ 328 mm ( $\varnothing$ 4.1" $\times$ 12.9")
Package Dimension	385 mm $\times$ 190 mm $\times$ 180 mm (15.2" $\times$ 7.5" $\times$ 7.1")
Weight	Approx. 1330 g (2.9 lb.)
With Package Weight	Approx. 2231 g (4.9 lb.)
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat,anti-flicker,mirror,flash log,password reset via email,pixel counter,privacy mask
Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, IC: ICES-003: Issue 7,
Protection	
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)

## ▪ Available Model

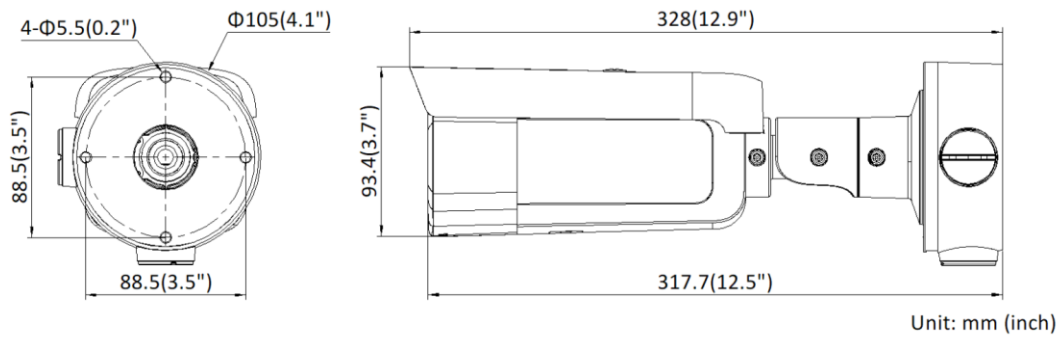
PCI-B14Z2HS

## ▪ Typical Application

The max VCA trigger distances are for reference only, subject to environmental conditions such as weather, degree of lightness installation and background color

Lens(mm)	Max VCA trigger distance	
	Human Detection	Vehicle Detection
2.8mm	20m	40m
4mm	25m	50m
6mm	35m	70m
12mm	50m	100m

▪ **Dimension**



▪ **Accessory**

▪ **Optional**

PM	CB130
<b>Pole Mount</b>	

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