

PCI-D14Z2HS

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



▪ 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 |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° |
| Lens | |
| Focal Length & FOV | 2.8 to 12 mm, horizontal FOV 115° to 12°, vertical FOV 59° to 24°, diagonal FOV 141° to 48° 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 9°, diagonal FOV 49° to 17° |
| Lens Mount | Integrated |
| Iris Type | P-iris |
| Aperture | 2.8 to 12 mm: F1.2 8 to 32 mm: F1.7 |
| Depth of Field | 2.8 to 12 mm: 1.5 m to ∞ 8 to 32 mm: 1.5 m to ∞ |
| DORI | |
| DORI | 2.8 to 12 mm: D: 60 m to 149 m, O: 23 m to 59 m, R: 12 m to 29 m, I: 6 m to 14 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 Type | IR |
| Supplement Light Range | 2.8 to 12 mm: up to 40 m 8 to 32 mm: up to 60 m |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| 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 *Third stream and fourth stream are supported under certain settings. |
| 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 regions for main stream and sub-stream |
| Target Cropping | Yes |
| Audio | |
| Audio Compression | G.711ulaw/G.711alaw/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) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| 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, SFTP, 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 1.2, WSSE and digest authentication for Open Network Video Interface, memory card encryption, SFTP encryption, SRTP encryption |
| 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, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Image Parameters Switch | Yes |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Wide Dynamic Range (WDR) | 140 dB |
| Image Enhancement | BLC, HLC, 3D DNR |
| SNR | ≥ 52 dB |
| Interface | |
| 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 |
| Audio | 1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium |

| | |
|----------------------------------|---|
| Built-in Microphone | -U: Yes |
| Alarm | 2 inputs, 2 outputs (max. 24 VDC, 1 A; 24 VAC, 1 A) |
| Reset Key | Yes |
| Power Output | 12 VDC, 100 mA |
| Event | |
| Basic Event | Motion detection, video tampering alarm, exception |
| Smart Event | Unattended baggage detection, object removal detection, scene change detection, audio exception detection |
| Linkage | Upload to NAS/memory card/FTP, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output, audible warning |
| Deep Learning Function | |
| Face Capture | Yes |
| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) |
| General | |
| Power | 12 VDC \pm 25%, 0.9 A, max. 10.8 W, two-core terminal block 24 VAC \pm 20%, 0.75 A, 50/60 Hz, max. 10.8 W PoE: 802.3af, Class 3, 36 V to 57 V, 0.36 A to 0.23 A, max. 12.9 W |
| Material | Metal |
| Dimension | $\varnothing 162 \times 141.8$ mm ($\varnothing 6.4'' \times 5.6''$) |
| Package Dimension | 251 mm \times 215 mm \times 189 mm (9.9'' \times 8.5'' \times 7.4'') |
| Weight | Approx. 1420 g (3.1 lb.) |
| With Package Weight | Approx. 2058 g (4.5 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) |
| General Function | Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter |
| 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 |
| Approval | |
| EMC | FCC (47 CFR Part 15, Subpart B) IC (ICES-003: Issue 7) |
| Protection | IP67 (IEC 60529-2013) IK10 (IEC 62262: 2002) |
| Anti-Corrosion Protection | NEMA 4X: NEMA 250-2014 |

▪ Available Model

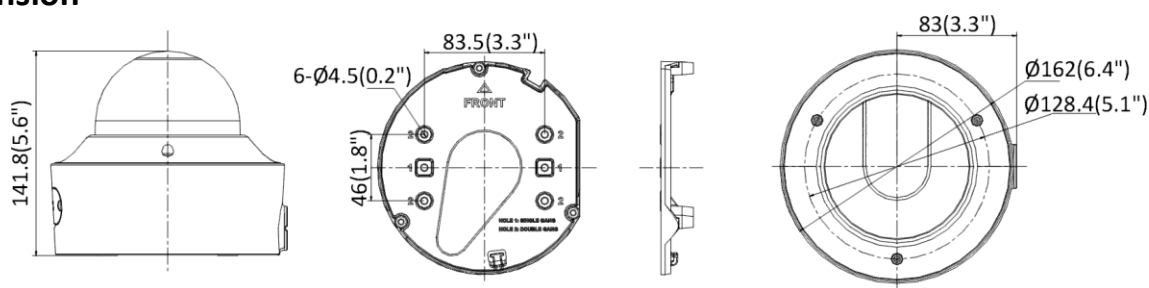
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▪ Typical Application

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



Unit: mm (inch)

▪ Accessory

▪ Optional

| CPM | PC155 | PM1 | CM1 | WML |
|---------------|-------------|-----|-----|------------|
| Pendant Mount | Pendant Cap | | | Wall Mount |
| | | | | |
| | | | | |

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