



# SN-IPR8047AKAN-S-PZ

4MP Starlight Varifocal Bullet Network Camera



## Key Features

- 1/1.8" progressive scan CMOS
- Max. 4MP(2688×1520) @50/60 fps resolution
- 8 to 32 mm or 10 to 50 mm motorized lens optional
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, Illegal parking, smart motion detection (SMD), and people counting
- Built-in microphone and speaker
- 1/1 audio in/out, 1/2 alarm in/out, built-in SD card slot (up to 1 TB)
- Smart IR distance up to 120 m
- IP66, IK10



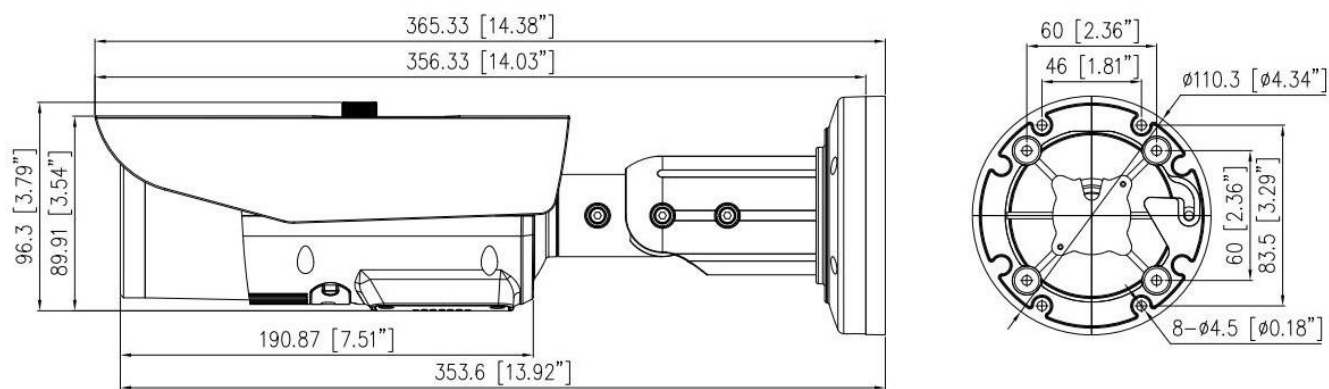
## Specification

| Camera                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Image Sensor                                                                                                                                                                                                                                                               | 1/1.8" Progressive Scan CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Max. Resolution                                                                                                                                                                                                                                                            | 4MP, 2688(H) × 1520(V)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electronic Shutter                                                                                                                                                                                                                                                         | Auto/Manual, 1/5 to 1/100,000 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Min. illumination                                                                                                                                                                                                                                                          | Color: 0.0025 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Day & Night                                                                                                                                                                                                                                                                | IR cut filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wide Dynamic Range                                                                                                                                                                                                                                                         | True WDR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Angle Adjustment                                                                                                                                                                                                                                                           | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Lens                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Lens Type                                                                                                                                                                                                                                                                  | Motorized lens, motorized focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Iris                                                                                                                                                                                                                                                                       | Auto Iris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focal Length                                                                                                                                                                                                                                                               | 8 to 32 mm, 10 to 50 mm optional                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Max. Aperture                                                                                                                                                                                                                                                              | F1.6 / F1.3 to F1.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Field of View (FOV)                                                                                                                                                                                                                                                        | 8 to 32 mm<br>- H: 41.1° to 14°, V: 23° to 7.9°<br>10 to 50 mm<br>- H: 42.5° to 11.1°, V: 24.3° to 6.3°                                                                                                                                                                                                                                                                                                                                                                                        |
| DORI                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DORI Distance                                                                                                                                                                                                                                                              | 8 to 32 mm:<br>- Detect: 142 m to 402 m (465.88 ft to 1,318.90 ft)<br>- Observe: 56.8 m to 160.8 m (186.35 ft to 527.31 ft)<br>- Recognize: 28.4 m to 80.4 m (93.18 ft to 263.65 ft)<br>- Identify: 14.2 m to 40.2 m (46.59 ft to 131.89 ft)<br>10 to 50 mm:<br>- Detect: 147 m to 553 m (482.28 ft to 1,814.30 ft)<br>- Observe: 58.8 m to 221.2 m (192.91 ft to 725.07 ft)<br>- Recognize: 29.4 m to 110.6 m (96.46 ft to 362.86 ft)<br>- Identify: 14.7 m to 55.3 m (48.23 ft to 181.45 ft) |
| DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Illuminator                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supplement Light                                                                                                                                                                                                                                                           | IR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Light Control                                                                                                                                                                                                                                                              | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Illumination Distance                                                                                                                                                                                                                                                      | 8 to 32 mm<br>- Up to 80 m (262.5 ft)<br>10 to 50 mm<br>- Up to 120 m (393.7 ft)                                                                                                                                                                                                                                                                                                                                                                                                               |
| IR wavelength                                                                                                                                                                                                                                                              | 850nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Intelligent Analytics  |                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multi-Object Detection | Supports face, human, vehicle detection and capture.<br>Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.                                                                            |
| Intelligent Analysis   | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, and Smart motion detection<br>Support alarm triggering by specified target types (human and vehicle) |
| People Counting        | Supported                                                                                                                                                                                                    |
| Video and Audio        |                                                                                                                                                                                                              |
| Streaming Capability   | 3 Streams                                                                                                                                                                                                    |
| Stream/Frame Rate      | Stream1: 2688×1520, 1920×1080, 1280×720 @50/60 fps<br>Stream2: D1, VGA, CIF @ 25/30 fps<br>Stream3: VGA, CIF, QVGA @ 25/30 fps                                                                               |
| Bit Rate Control       | CBR/VBR                                                                                                                                                                                                      |
| Bit Rate               | Stream1: 200 kbps to 16 Mbps<br>Stream2: 100 kbps to 6 Mbps<br>Stream3: 100 kbps to 3 Mbps                                                                                                                   |
| Region of Interest     | Off/On (8 areas, Rectangle)                                                                                                                                                                                  |
| Smart Encode           | Supported                                                                                                                                                                                                    |
| Audio Compression      | G.711 A-law, G.711 $\mu$ -law, RAW PCM                                                                                                                                                                       |
| Audio Bit Rate         | 64 Kbps (G.711), 128 Kbps (RAW_PCM)                                                                                                                                                                          |
| Image                  |                                                                                                                                                                                                              |
| Image Adjustment       | Brightness, Sharpness, Contrast, Saturation adjustable                                                                                                                                                       |
| Scene Setting          | Indoor, Outdoor, Mirror, Corridor Mode                                                                                                                                                                       |
| Exposure Mode          | Auto, Manual, Shutter priority                                                                                                                                                                               |
| White Balance          | Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual                                                                                                                                                        |
| Day/Night Setting      | Auto, Day, Night, Time                                                                                                                                                                                       |
| Noise Reduction        | 2D/3D DNR                                                                                                                                                                                                    |
| Image Enhancement      | HLC, BLC, Defog, WDR                                                                                                                                                                                         |
| Privacy Masking        | 4 areas                                                                                                                                                                                                      |
| Event                  |                                                                                                                                                                                                              |
| Alarm Triggers         | IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection                                                                                              |
| Event Actions          | Alarm record, Alarm output, Wiegand output, FTP upload, SMTP upload, Audible alarm output                                                                                                                    |
| Network                |                                                                                                                                                                                                              |
| Protocols              | IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast                                                            |
| Interoperability       | ONVIF (Profile S/T/G/M), SDK, CGI                                                                                                                                                                            |

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Max Concurrent Streams | 10 channels                                                                                                                                        |
| User/Host Level        | 32+ users, 3 levels: Administrator, Operator, Media user                                                                                           |
| Security               | IP address filter, HTTPS, Illegal login lock, IEEE 802.1x                                                                                          |
| Web Viewer             | <IE11, Chrome, Firefox, Microsoft Edge                                                                                                             |
| <b>Interface</b>       |                                                                                                                                                    |
| Network Interface      | 1 Ethernet (10/100 Base-T) RJ-45 Connector                                                                                                         |
| Built-in Microphone    | Supported                                                                                                                                          |
| Built-in Speaker       | Supported                                                                                                                                          |
| Audio Interface        | 1ch Input, 1ch Output                                                                                                                              |
| Alarm Interface        | 1ch Input, 2ch Output                                                                                                                              |
| RS-485                 | 1 RS-485                                                                                                                                           |
| Wiegand Interface      | 1 Wiegand (26-bit, SHA-1 26-bit, 34-bit, and NEWG 72-bit)                                                                                          |
| SD Card Slot           | Built-in, up to 1 TB                                                                                                                               |
| Reset Button           | Supported                                                                                                                                          |
| <b>General</b>         |                                                                                                                                                    |
| Language               | English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English |
| Power Supply           | 12 VDC (-15% to +25%) / PoE (802.3af)                                                                                                              |
| Power Consumption      | Max 13.2 W                                                                                                                                         |
| Operating Temperature  | -40°C to 60°C (-40°F to 140°F )                                                                                                                    |
| Operating Humidity     | Less than 90% RH                                                                                                                                   |
| Ingress Protection     | IP66, IK10                                                                                                                                         |
| Certifications         | CE-EMC<br>- EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4<br>FCC 47 CFR Part 15 Subpart B                       |
| Casing                 | Metal                                                                                                                                              |
| Dimensions             | φ110 × 356.3 mm (φ4.33 × 14.03 inch)                                                                                                               |
| Net Weight             | 1.72 kg (3.79 lb)                                                                                                                                  |

Dimensions (mm)



Accessories

Optional:



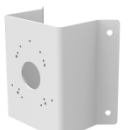
SN-CBK645G  
Junction Box



SN-CBK627D  
Pole Mount



SN-CBK101A  
Pole Mount



SN-CBK102A  
Corner Mount