



SN-IPS8653WDR-Z40

7-inch 5MP 40x Starlight IR Network PTZ Camera



Key Features

- 1/2.8" progressive scan CMOS
- Max. 25/30 fps@2592 × 1944
- 40x optical zoom and 16x digital zoom
- Supports detection and capture of faces, humans, and vehicles, along with smoke and flame detection.
- Supports intelligent analysis for intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting
- Auto tracking and perimeter protection based on deep learning
- True WDR, 3D DNR, ICR, Defog and EIS
- Gyroscope stabilization for stable picture
- Smart IR distance up to 300 m
- IP66

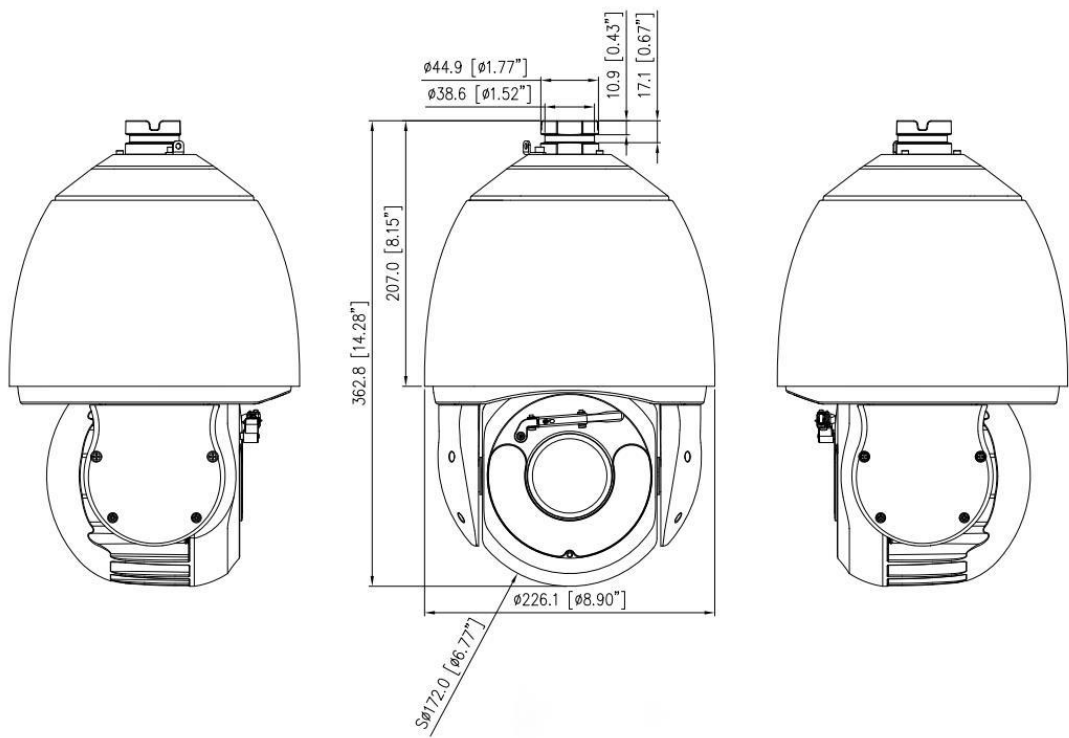
Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Max. Resolution | 2592(H) × 1944 (V) |
| Electronic Shutter | Auto/Manual, 1/5 to 1/20,000s |
| Min. illumination | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR |
| Day & Night | Auto (ICR) |
| Wide Dynamic Range | True WDR |
| Wiper | Support |
| Lens | |
| Focal Length | 5.0 to 200 mm |
| Max. Aperture | F1.68 to F5 |
| Field of View (FOV) | H: 64.8° to 1.8°, V: 50.3° to 1.3° |
| Optical Zoom | 40x |
| Digital Zoom | 16x |
| Iris Control | Auto/Manual |
| Focus Control | Auto/Manual/Semi-automatic |
| DORI Distance | |
| Detection | 82 to 3,280 m (269.03 to 10,761.15 ft) |
| Observe | 32.8 to 1,312 m (107.61 to 4,304.46 ft) |
| Recognize | 16.4 to 656 m (53.81 to 2,152.23 ft) |
| Identify | 8.2 to 328 m (26.9 to 1,076.12 ft) |
| Illuminator | |
| Illuminator Type | IR |
| Illumination Distance | IR distance up to 300 m (984.3 ft) |
| Illumination On/Off Control | Auto/Manual |
| Intelligent Analytics | |
| Multi-Object Detection | Support face, human, vehicle detection and capture |
| Smoke and Flame Detection | Support |
| Intelligent Analysis | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, and Smart motion detection (support the accurate detection of vehicle and human) |

| | |
|--------------------------|--|
| People Counting | Support |
| Smart Tracking | Support |
| PTZ | |
| Pan/Tilt Range | Pan: 0° to 360° endless, Tilt: -10° to +90° (auto-flip) |
| Pan Speed | Pan speed: 0.1° to 300°/s, preset speed: 300°/s |
| Tilt Speed | Tilt speed: 0.1° to 300°/s, preset speed: 300°/s |
| Presets | 400 |
| Patrol Scan | 6 Track, 12 Scan, 12 Patrol (up to 32 presets each patrol) |
| Power-Off Memory | Support |
| 3D Positioning | Support |
| PTZ Status Display | Support |
| Idle Motion | The time can be set (1-240 minutes), and functions such as preset positions, patrols, scans, and tracks can be run. |
| Video and Audio | |
| Streaming Capability | 3 Streams |
| Stream/Frame Rate | Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps |
| Bit Rate Control | CBR/VBR |
| Bit Rate | Stream1: 200 kbps to 16 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps |
| Smart Encoder | Support |
| Region of Interest (ROI) | Support |
| Audio Compression | G.711 A-law, G.711 μ-law, RAW_PCM |
| Audio Bit Rate | 64 kbps (G.711), 128 kbps (RAW_PCM) |
| Image | |
| Image Adjustment | Brightness, Sharpness, Contrast, Saturation adjustable |
| Mirror | Support |
| Exposure Mode | Auto/Manual |
| White Balance | Auto/Manual |
| Day/Night Setting | Auto, Day, Night, Time |
| Noise Reduction | 2D/3D DNR |
| Image Enhancement | HLC, BLC, Defog, WDR, Anti-shake |
| Privacy Masking | Support 40 zones, mask color configurable |
| Event | |

| | |
|-----------------------|---|
| Alarm Triggers | IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Abnormal sound detection |
| Alarm Events | Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output |
| Network | |
| Protocols | IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast |
| Interoperability | ONVIF (Profile S/T/G/M), SDK, CGI |
| User/Host Level | Up to 10 users, 3 levels: Administrator, Operator, Media user |
| Security | IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x |
| Web Viewer | <IE11, Chrome, Firefox, Microsoft Edge |
| Interface | |
| Network Interface | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Audio Interface | 1ch Input, 1ch Output |
| Alarm Interface | 7ch Input, 2ch Output |
| RS-485 | Support |
| BNC Interface | 1 BNC (CVBS output) |
| SD Card Slot | Built-in, up to 1 TB |
| General | |
| Language | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English |
| Power Supply | 24VAC/36VDC/PoE++ (802.3bt), Standard Equipped: 36VDC |
| Power Consumption | Less than 45 W |
| Operating Temperature | -40°C to 60°C (-40°F to 140 °F) |
| Operating Humidity | Less than 90% RH |
| Ingress Protection | IP66 |
| Certifications | CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A12021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) CE-LVD (EN 62368-1:2014+A11:2017) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) |
| Material | Metal |
| Dimensions | φ226.1 × 362.8 mm (φ8.9×14.28 inch) |
| Net Weight | 5.5 kg (12.13 lb) |

Dimensions (mm)



Accessories

Optional:



SN-CBK506B
Wall Bracket



SN-BK348A
Ceiling Bracket



SN-BK605
Corner Mount



SN-BK604B
Pole Mount



SN-BK367
Junction Box



SN-BK358
Corner Mount



SN-BK359
Pole Mount