

# Wavestore Vision 8MPIR Bullet Network Camera

WV2-8B-27V13



## Key Features

- 1/2.7" progressive scan CMOS
- Max. 8MP(3840 × 2160) @25fps resolution
- Supports face, human, and vehicle detection & capture.
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, area people limit, perimeter detection, and people counting.
- True WDR(120dB), 3D DNR, ROI, HLC, BLC, Defog
- Built-in microphone, 1/1 audio in/out, 1/1 alarm in/out
- Built-in SD card slot, up to 1TB microSD card
- Smart IR distance up to 40m
- IP67-rated housing

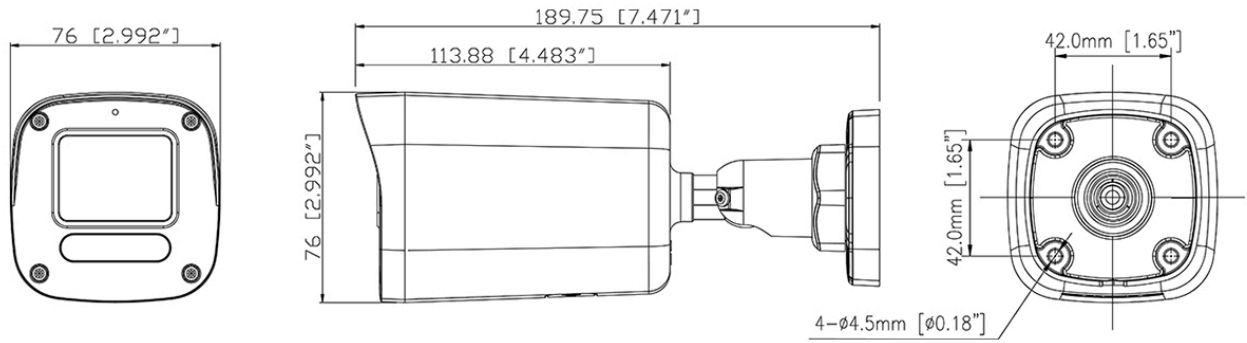
## Specifications

| Camera                |   |
|-----------------------|---|
| Image Sensor          | 1/2.7" Progressive Scan CMOS  |
| Max Resolution        | 8MP, 3840(H) × 2160(V)  |
| Shutter Speed         | 1/5 to 1/20,000s  |
| Min Illumination      | Color: 0.01 Lux @ (F1.6, AGC ON), B/<br>W: 0.005 Lux @ (F1.6, AGC ON), 0<br>Lux with IR on  |
| Day & Night           | Auto (ICR)  |
| Angle Adjustment      | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°  |
| Lens                  |   |
| Lens Type             | Varifocal lens, motorized focal   |
| Focal Length          | 2.7 to 13.5 mm  |
| Max. Aperture         | F1.6  |
| Field of View (FOV)   | H: 101.8° to 33°, V: 53.5° to 18.6°   |
| Iris                  | Fixed Iris  |
| Illuminator           |   |
| Type                  | IR  |
| IR wavelength         | 850 nm  |
| Distance              | Up to 40 m (131.2 ft)   |
| Control               | Auto/Manual   |
| Intelligent Analytics |   |
| AI Multi-Target       | - Supports face, human, and vehicle detection & capture.<br>- Supports multiple frame modes: Full Frame, Four-Corner Frame, and Mosaic.   |
| Intelligent Analysis  | Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, area people limit, and perimeter detection<br>- Supports accurate target classification (human/vehicle) |
| People Counting       | Supported   |
| Video & Audio         |   |
| Number of Streams     | 3 Streams   |
| Resolution            | Stream1: 3840×2160, 2880×1620, 2592×1520, 2560×1440, 2304×1296, 1920×1080,<br>1280×720 Stream2: D1, VGA, CIF<br>Stream3: VGA, CIF, QVGA   |
| Frame Rate            | Up to 25fps (20fps when WDR is enabled)   |
| Bit Rate Control      | CBR/VBR   |

|                                   |   |
|-----------------------------------|---|
| Bit Rate                          | Stream1: 200 Kbps to 12 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 Mbps  |
| Smart Encoding                    | Supported   |
| Region of Interest (ROI)          | 8 areas, rectangle zones  |
| Audio Compression                 | G.711 A-law, G.711 $\mu$ -law, RAW_PCM  |
| Audio Bit Rate                    | 64 Kbps (G.711), 128 Kbps (RAW_PCM)   |
| <b>Image</b>                      |   |
| Image Adjustment                  | Brightness, Sharpness, Contrast, Saturation adjustable  |
| Scene Mode                        | 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, Timer   |
| Noise Reduction                   | 2D/3D DNR   |
| Image Enhancement                 | HLC, BLC, Defog, WDR  |
| Wide Dynamic Range                | True WDR (120dB)  |
| Privacy Masking                   | 4 areas   |
| <b>Event</b>                      |   |
| Alarm Triggers                    | IVS, Motion detection, Alarm input, Disk alarm, Network alarm, Day/Night switch alarm, Abnormal sound detection                                   |
| Event Actions                     | Alarm record, FTP upload, SMTP upload, Alarm output, Snapshot, Audible alarm output   |
| <b>Network</b>                    |   |
| 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 |
| Application Programming Interface | ONVIF (Profile S/T/G/M), SDK, CGI   |
| Max Concurrent Streams            | 10 channels   |
| User/Host Level                   | 32+ users, 3 levels: Administrator, Operator, Media user  |
| Web Viewer                        | <IE11, Chrome, Firefox, Microsoft Edge  |
| <b>Security</b>                   |   |
| OS / Firmware Protect             | Encrypted firmware, Secure boot, Signed firmware  |
| User Authentication               | Digest authentication, Prevent brute-force attack   |
| Network Authentication            | IEEE 802.1X (EAP-TLS)   |
| Secure Communication              | HTTPS, WSS (WebSocket Secure), SRTP   |
| Access Control                    | IP-based access control, Auto logout  |
| Data Protect                      | Encryption credentials  |
| Audit                             | Access / System / Event Log management  |
| Secure Storage                    | SDcard partition encrypt(AES-256), Secure element   |

|   |  |
|---|--|
| Supply Chain Security                     | SBOM   |
| <b>Interface</b>                          |  |
| Network Interface                         | 1 × Ethernet (10/100 Base-T), RJ-45 connector  |
| Built-in Microphone                       | Supported  |
| Audio Interface                           | 1ch Input, 1ch Output  |
| Alarm Interface                           | 1ch Input, 1ch Output  |
| SD Card Slot                              | Built-in microSD card slot, 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                         | Typical: 2.2 W (IR off, 12 VDC) / approx. 2.8 W (PoE)<br>Max: 6.7 W (IR on, 12 VDC) / approx. 8.4 W (PoE)  |
| Operating Temperature                     | -30°C to 60°C (-22°F to 140°F)   |
| Operating Humidity                        | Less than 95% RH   |
| Ingress Protection                        | IP67 (housing)   |
| 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 FCC 47 CFR Part 15 Subpart B                          |
| Material                                  | Aluminum alloy   |
| Dimensions                                | 189.75 × 76 × 76 mm (7.47 × 2.99 × 2.99 in)  |
| Net Weight                                | Approx. 580 g (1.28 lb)  |
| <b>DORI Distance (EN62676-4 standard)</b> |  |
| Detect                                    | 95 to 260 m (311.7 to 853.0 ft)  |
| Observe                                   | 38 to 144 m (124.7 to 472.4 ft)  |
| Recognize                                 | 19 to 52 m (62.3 to 170.6 ft)  |
| Identify                                  | 9.5 to 26 m (31.2 to 85.3 ft)  |

## Dimensions (mm)



## Accessories

