



NWBL-8VFAD-aXP

8MP 4K Active Deterrence Bullet Network Camera



Key Features:

- 1/2.7" Progressive Scan Starvis Back-Illuminated CMOS
- Motor 2.7mm ~ 13.5mm Lens
- 25fps/30fps@8MP(3840*2160)
- Multi Stream Output
- Smart IR Up to 70m & Smart White Light LED Up to 70m
- Red & Blue flashing strobe light & audible warning siren
- H.265+ Support; Low bitrate
- ONVIF Profile S, T, G, M
- Video Analytics: Human Detection, Intrusion Detection, Face Detection
- Privacy Masks, Back Light Compensation (BLC) up to 140dB WDR
- IP67 Weather Resistant

Product Overview

Infinity Network Cameras support the latest H.265+ encoding technology, bringing high efficient video compression and maintaining quality. When compared to older H.265/H.264 or MPEG-4 transmission, it significantly saves network bandwidth and storage. Infinity cameras are energy-saving by design to enhance the surveillance system thanks to sophisticated features that are activated automatically such as Smart IR technology for low light and night time, or PoE so that only a single cable is needed for Power *and* Data. The camera is IP67 weatherproof allowing for either internal or external use.

Features

Video Analytics

Get much more than what you see; thanks to Infinity Intelligent Video Analytics! Cameras can provide intelligent detection for specific rules including: Perimeter Detection, Line Crossing, Facial Detection & Facial Recognition, Human Detection and Vehicle Detection.

Privacy Masks

When used externally it is usually mandated that sensitive areas such as private residences, should not be viewed by cameras thus privacy masks allow a mosaic to be drawn on screen so that any such sensitive areas are not shown and adherence to local laws is maintained.

Actively Detering

Thanks to dual lighting and audible warning technology with Red & Blue strobe lights and Visible 'White' Light, Infinity cameras can provide crystal clear color images even in the darkest of conditions, complimented by audible sirens whereby the flashing lights and sirens go off when detections occur, resulting in an extra level of deterring potential criminals.

Back Light Compensation (BLC)

When lighting conditions are extreme such as light sources shone directly at a camera, the image can be severely poor. Infinity BLC allows the camera to automatically adjust its exposure settings to compensate for such scenarios.

Environmental

With a temperature range of -30 °C to +60 ° the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Smart Encode (H.265+)

Deliver high quality video without straining the network, Smart Encode H.265+ offers significant quality gains over H.265 / H.264 or MPEG-4 technologies. Reducing network bandwidth and storage without compromising quality of the video allows for significant longer term gains.

HEVC (H.265+)

H.265+ ITU-T VCEG is a new video coding standard. Following standard developed around the existing video coding standard H.265/H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity.

Technical Specification

| Camera | |
|----------------------|---|
| Image Sensor | 1/2.7" Progressive Scan Sony Starvis CMOS |
| Effective Pixels | 3840(H)×2160(V) |
| Scanning System | Progressive |
| Electronic Shutter | 1/5-1/20000s |
| Min. illumination | Color:0.001Lux@(F1.2,AGC ON) , B/W:0Lux@(IR LED ON) |
| S/N Ratio | 60dB |
| Smart Light Range | IR up to 70m & White Light 4000K Up to 70m, Red & Blue flashing strobe light |
| IR On/Off Control | Auto/ Manual |
| LEDs | 4pcs IR & 4pcs White Light |
| Lens | |
| Lens Type | Fixed |
| Iris | Fixed Iris |
| Focal Length | 2.7mm ~ 13.5mm Motor |
| F Number | F1.6 |
| Angle of View | 128° Diagonal FOV |
| Focus Control | Fixed |
| Video | |
| Compression | H.265+ / H.264+ / H.265 / H.264 / MJPEG |
| Max. Resolution | 2160P(3840x2160) |
| Streaming Capability | Up to 5 streams |
| Stream / Frame Rate | Main Streams: 3840x2160 / 3072x2048 / 2592x1536 / 2560x1440 / 1920x1080 / 1280x720 @ 25/30fps Sub Streams: 1280x720/VGA @ 25/30fps Third Streams: 1280x720/VGA @ 25/30fps |
| Bit Rate Control | CBR/VBR |
| Day/Night | ICR |
| Image Settings | Rotation, Saturation, Contrast, Hue, Sharpness |
| Enhancement | BLC, 140dB WDR, Defog, Saturation, Brightness, Contrast, Sharpness, 3D DNR, White Balance, FLK (Flicker Control), Distortion, HLC, Corridor Mode |
| Gain Control | Support |
| Video Output | N/A |
| Image Stabilize | N/A |
| Smart IR | Support |
| Mirror | Support |

| Region of Interest | Support |
|------------------------|---|
| Motion Detection | Support |
| Privacy Masking | Support |
| Audio | |
| Compression | G.711A/U |
| Network | |
| Protocols: | IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP |
| Interoperability | ONVIF S / G / T |
| Streaming Method | Unicast |
| Max. User Access | 10 Users |
| Web Viewer | <IE11, Chrome, Firefox |
| Management Software | Infinity VMS Lite |
| Smart Phone | IOS, Android |
| Intelligence | |
| Detections | Video Motion Detection (VMD), Video Tamper |
| Intelligent Detections | Human Detection, Vehicle Detection, Intrusion Detection, Line Crossing, People Gathering, Loiter Detection, Entering/Leaving an Area, Facial Detection, Illegal Parking, License Plate Detection, Object Counting (based on Human/Vehicle Line Crossing), Moving Object Detection, Heat Map |
| Interface | |
| Ethernet | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Audio Interface | 1x Built-in Mic, 1x Speaker, 1x Audio in / 1x Audio out |
| Alarm | 1x Alarm in / 1x Alarm out |
| RS485 | N/A |
| BNC Output | N/A |
| Reset Button | Support |
| Edge Storage | 1x Micro SD Card Support up to 1TB |
| Electrical | |
| Power Supply | DC12V / POE |
| Power Consumption | ≤ 8W |
| Operating Temperature | -30°C ~ 60°C (-22°F ~ 140°F) |
| Operating Humidity | Less than 90% RH |
| Ingress Protection | IP67 |
| Certifications | CE / FCC |
| Casing | Metal |
| Weight & Dimensions | Circa 1.2Kg // 95mm x 88.1mm x 268mm |