



# NWDL-2F-XP

## 2MP Dome Network Camera



### Key Features:

- 1/2.7" Progressive Scan Starvis CMOS
- Fixed 2.8mm or 3.6mm Lens
- 25fps/30fps@2MP(1920\*1080)
- Multi Stream Output
- Smart IR Up to 40m
- H.265+ Support; Low bitrate
- ONVIF Profile S, T ,G
- Human Detection, Intrusion Detection
- Privacy Masks, Back Light Compensation (BLC)
- 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.

### 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     | 1920(H)×1080(V)  |
| Scanning System      | Progressive  |
| Electronic Shutter   | 1/5-1/20000s   |
| Min. illumination    | Color:0.001Lux@(F1.2,AGC ON) ,<br>B/W:0Lux@(IR LED ON)   |
| S/N Ratio            | 60dB   |
| IR Range             | Smart IR up to 40m   |
| IR On/Off Control    | Auto/ Manual   |
| IR LEDs              | 5pcs   |
| Lens                 |  |
| Lens Type            | Fixed  |
| Iris                 | Fixed Iris   |
| Focal Length         | 2.8mm or 3.6mm   |
| F Number             | F1.6   |
| Angle of View        | 105°   |
| Focus Control        | Fixed  |
| Video                |  |
| Compression          | H.265+ / H.264+ / H.265 / H.264 / MJPEG  |
| Max. Resolution      | 1080P(1920×1080)   |
| Streaming Capability | Up to 5 streams  |
| Stream / Frame Rate  | Main Streams: 1920×1080/1280×720 @25/30fps<br>Sub Streams: VGA/CIF/QVGA @ 25/30fps<br>Third Stream: QVGA @ 25/30fps  |
| Bit Rate Control     | CBR/VBR  |
| Day/Night            | ICR  |
| Image Settings       | Rotation, Saturation, Contrast, Hue, Sharpness   |
| Enhancement          | BLC, WDR, Saturation, Brightness, Contrast, Sharpness, 3D DNR, White Balance, FLK (Flicker Control), Distortion, HLC |
| 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 Free   |
| Smart Phone            | IOS, Android  |
| Intelligence           |   |
| Detections             | Video Motion Detection (VMD), Video Tamper  |
| Intelligent Detections | Human Detection, Intrusion Detection  |
| Interface              |   |
| Ethernet               | 1 Ethernet (10/100 Base-T) RJ-45 Connector  |
| Audio Interface        | N/A   |
| Alarm                  | N/A   |
| RS485                  | N/A   |
| BNC Output             | N/A   |
| Reset Button           | Support   |
| Edge Storage           | N/A   |
| Electrical             |   |
| Power Supply           | DC12V / POE   |
| Power Consumption      | ≤ 5W  |
| Operating Temperature  | -30°C ~ 60°C (-22°F ~ 140°F)  |
| Operating Humidity     | Less than 90% RH  |
| Ingress Protection     | IP67  |
| Certifications         | CE / FCC  |
| Casing                 | Metal   |
| Net Weight             | Circa 660g  |