



# NWDE-5VF-XP

5MP Motor Zoom Dome Network Camera



## Key Features:

- 1/2.7" Progressive Scan CMOS
- Motor 2.8-12mm Lens
- Multi Stream Output
- Smart IR Up to 50m
- H.265+ Support; Low bitrate
- ONVIF Profile S, G, T
- Privacy Masks, Back Light Compensation (BLC)
- Video Analytics
- IP67

## 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 Video Analytics! Cameras can provide intelligent detection for specific rules including: Perimeter Detection, Line Crossing, 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 CMOS
Effective Pixels	2880(H)×1620(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	55dB
IR Range	Smart IR up to 50m
IR On/Off Control	Auto/ Manual
IR LEDs	18pcs
Pan/Tilt/Rotation Range	Pan:0°~355°, Tilt:0°~75°, Rotation: 0°~355°
Lens	
Lens Type	Motor
Iris	Auto Iris
Focal Length	2.8mm – 12mm
F Number	F1.6
Angle of View	103°~32°
Focus Control	Motor
Close Focus Distance	0.2m
Video	
Compression	H.265+, H.265, H.264, MJPEG
Max. Resolution	1620P(2880×1620)
Streaming Capability	Up to 5 streams
Stream / Frame Rate	Main Streams: 2880×1620/1920×1080 @25/30fps Sub Streams: VGA/CIF/QVGA @ 25/30fps Third Stream: QVGA @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	256kbps~8000kbps
Day/Night	Auto Switch IR Filter
Image Settings	Rotation, Saturation, Contrast, Hue, Sharpness
Enhancement	BLC, WDR, 3D DNR
Gain Control	Support
Corridor Mode	Support
Image Stabilize	N/A
Smart IR	Support
Compression	H.265+, H.265, H.264, MJPEG

Region of Interest	Support
Motion Detection	Support
Privacy Masking	Support
Audio	
Compression	G.711
Bit Rate	8~64Kbps
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 Eco
Smart Phone	IOS, Android
Intelligence	
Video Analytics	Perimeter Detection, Line Crossing, Human & Vehicle Detection, Object Added/Removed/Abandoned, Object (People) Counting, Crowd Density, Queue Length
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1x Audio Input, 1x Audio Output
Alarm	1x Alarm Input, 1x Alarm Output
RS485	N/A
BNC Output	N/A
Reset Button	Support
Edge Storage	Mini SD Card Slot 256GB Support
Electrical	
Power Supply	DC12V / POE
Power Consumption	≤ 9W
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP67, IK10
Certifications	CE / FCC
Casing	Metal
Net Weight	Circa 970g