



NWFDE-12P-XP

12MP 360° Fisheye Network Camera



Key Features:

- 1/1.7" Progressive Scan CMOS
- Fixed 1.1mm Lens
- 25/30fps @ 9MP(3000*3000)
- De-warping Image
- Low bitrate, Excellent low light performance
- ONVIF v2.6
- 15m IR LEDs
- ROI, Defog, HLC, Corridor mode, DIS
- 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

De-Warping Imagery

Thanks to its full 360° image sensor the Infinity Fisheye camera can “de-warp” its image to allow for an immersive experience when viewing the images.

Infrared LEDs

To be able to work at any time of day, the Infinity Fisheye camera has Infrared LEDs to allow illumination when light levels drop to night time levels.

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	1/1.7" Progressive Scan CMOS
Effective Pixels	4000(H)×3000(V)
Scanning System	Progressive
Electronic Shutter	1/5-1/20000s
Min. illumination	Color:0.009Lux@(F1.2,AGC ON) , B/W:0Lux@(IR LED ON)
S/N Ratio	55dB
IR Range	Smart IR up to 15m
IR On/Off Control	Auto/ Manual
IR LEDs	3pcs
Pan/Tilt/Rotation Range	N/A
Lens	
Lens Type	Fixed
Iris	Fixed Iris
Focal Length	1.1mm
F Number	F2.0
Angle of View	360°
Focus Control	Fixed
Close Focus Distance	N/A
Video	
Compression	H.265+, H.265, H.264, MJPEG
Max. Resolution	12MP(4000×3000)
Streaming Capability	Up to 5 streams
Stream / Frame Rate	Main Streams: 4000×3000/1920×1080 @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	ICR
Image Enhancement	BLC
Video Output	Support
Smart IR	Support
De-Warp	Support

Region of Interest	N/A
Motion Detection	N/A
Privacy Masking	N/A
Audio	
Compression	G.711, RAW_PCM
Bit Rate	64Kbps (G.711), 128kbps (RAW_PCM)
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
Streaming Method	Unicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
Management Software	Infinity IMS
Smart Phone	IOS, Android
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1x Input, 1x Output, 1x built-in Microphone
Alarm	1x Input, 1x Output
RS485	N/A
BNC Output	1x CVBS
Reset Button	Support
Edge Storage	Mini SD Card Slot 256GB Support
Electrical	
Power Supply	DC12V / POE
Power Consumption	≤ 10W
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP67
Certifications	CE / FCC
Casing	Metal
Dimensions	φ 120×55mm
Net Weight	400g