



# NWPE-44-aXP

4MP 4x Zoom 30m IR Analytics Network PTZ Camera



## Key Features:

- 1/1.8" Progressive Scan CMOS
- 4x Optical Zoom
- 25fps/30fps @ 4MP(2560\*1440)
- Multi Stream Output
- Smart IR Up to 30m
- WDR, Low bitrate, Excellent low light performance
- A.I Video Analytics, Auto Track
- IK10, IP67

## Product Overview

Infinity PTZ Cameras support the latest H.265+ encoding technology, bringing high efficient video compression and maintaining quality. It saves network bandwidth and storage, whilst being energy-saving design to enhance the surveillance system.

## Features

### 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	1/1.8" Progressive Scan CMOS
Effective Pixels	2560(H)x1440(V)
Scanning System	Progressive
Electronic Shutter	1/1-1/10000s
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 30m
IR On/Off Control	Auto/ Manual
Pan/Tilt/Rotation Range	Pan: 0° ~ 350°, Tilt: 0° ~ +90°
Lens	
Lens Type	Motor
Focal Length	2.8-12mm
Optical Zoom	4x
Angle of View	53.3°~3.8°
Focus Control	Auto/Manual
Video	
Compression	H.265+, H.265, H.264, MJPEG
Max. Resolution	1440P(2560x1440)
Streaming Capability	Up to 5 streams
Stream / Frame Rate	Main Streams: 2560x1440/1920x1080 @ 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	HDR, HLC, AGC
White Balance	Auto/Manual/Indoor
Gain Control	Auto/Manual
WDR	120dB
BLC	Support
Smart IR	Support
Advanced Features	255 Presets

PTZ and 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 VMS Eco
Smart Phone	IOS, Android
Intelligence	
Artificial Intelligence Video Analytics	Perimeter Detection, Line Crossing, Facial Detection & Facial Recognition, Heat Map, People Counting, Human & Vehicle Detection, Object Detection, Crowd Density, Region Entering & Exit, Queue Length, Rare Sound, License Plate Recognition
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	Built-in Microphone & Speaker
Edge Storage	Mini SD Card Slot 256GB Support
Electrical	
Power Supply	DC12V / PoE+ (circa 26W consumption)
Operating Temperature	-30°C ~ 60°C
Operating Humidity	Less than 90% RH
Ingress Protection	IK10, IP67
Certifications	CE / FCC
Casing	Metal
Net Weight	0.95Kg

# Dimensions

