



NWBU-8VFC-iXP

8MP 4K A.I Intelligent Analytics Motor Zoom All Colour Bullet Network Camera



Key Features:

- 1/2.8" Progressive Scan CMOS
- Motor 2.8mm ~ 12mm Lens
- 25fps/30fps@8MP(3840*2160)
- Multi Stream Output
- Smart White Light Up to 60m
- H.265+ Support; Low bitrate
- ONVIF Profile S, G, T
- Privacy Masks, Back Light Compensation (BLC)
- Intelligent Video Analytics
- 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.264 or MPEG-4 transmission, it significantly saves network bandwidth and storage. Infinity all-colour cameras emit a small amount of visible light allowing the camera to maintain colour images 24/7 whilst also maintaining Smart IR technology for low light and night time. 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.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. H.265 Following standard developed around the existing video coding standard 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	1/2.8" Progressive Scan STARLIGHT CMOS
Effective Pixels	3840(H)x2160(V)
Scanning System	Progressive
Electronic Shutter	1/5-1/20000s
Visible Range	Up to 60m
S/N Ratio	55dB
LEDs Range	Smart White Light up to 60m
IR LEDs	18pcs

Lens	
Lens Type	Motor
Iris	DC Auto Iris
Focal Length	2.8mm - 12mm
F Number	F1.0
Angle of View	125° ~ 39°
Focus Control	Fixed

Video	
Compression	H.265+, H.265, H.264, MJPEG
Max. Resolution	2160P(3840x2160)
Streaming Capability	Up to 5 streams
Stream / Frame Rate	Main Streams: 3840x2160/2688x1520/1080P @25/30fps Sub Streams: 720P/VGA/CIF/QVGA @ 25/30fps Third Stream: QVGA @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	256kbps~12000kbps
Day/Night	ICR
Image Settings	Rotation, Saturation, Contrast, Hue, Sharpness
Enhancement	BLC, 120dB+ WDR, Mirror, ROI, Image Flip, Image Stabilize (EIS), Automatic Gain Control (AGC), Corridor Mode
Smart LEDs	Support 60m White Light

DORI				
Focal Length	Detect	Observe	Recognize	Identify
f=2.8mm	60m	25m	15m	5m
f=12mm	150m	60m	30m	15m

*environmental conditions, installation and camera positioning and other factors can affect camera performance against these figures

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
Streaming Method	Unicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
Management Software	Infinity VMS Lite / VMS Free
Smart Phone	IOS, Android

Intelligence	
IVS	Perimeter Detection, Line Crossing, Facial Detection & Comparison, Heat Map, People Counting, Human & Vehicle Parking detection, Heat Map, Object Abandoned or Rerouting by line/area. Capturing of human body, vehicle streams 13 human features and 4 vehicle features and 1

Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1x Audio Input / 1x Audio Output / 1x Built-in MIC
Alarm	1x Alarm Input / 1x Alarm Output
RS485	N/A
BNC Output	1x BNC CVBS
Reset Button	Support
Edge Storage	Mini SD Card Slot 1TB Support

Electrical	
Power Supply	DC12V / POE
Power Consumption	≤ 12W
Operating Temperature	-30°C ~ 60°C / Less than 90% RH
Ingress Protection	IP67
Certifications	CE / FCC / Directive EU RoHS / WEEE / directive 94/62/EC and REACH
Casing	Metal
Net Weight	Circa 1.1Kg

Dimensions

