NWBL-12FC-XP

12MP 4K All Color Bullet Network Camera

Key Features:

- 1/2.7" Progressive Scan Starvis CMOS
- Fixed 2.8mm or 3.6mm Lens
- 25fps/30fps@12MP(4000*3000)
- Multi Stream Output
- Smart IR Up to 50m & Smart White Light LED Up to 40m
- H.265+ Support; Low bitrate
- ONVIF Profile S, T ,G, M
- 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.

Black and White…..AND Color!
Thanks to dual lighting technology composed of Infrared (IR) and Visible 'White' Light, Infinity cameras can provide fantastic Black and White (B/W) nighttime images but also crystal clear color images even in the darkest of conditions.

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	4000(H)×3000(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	60dB
Smart Light Range	IR up to 50m & White Light 4000K Up to 40m
IR On/Off Control	Auto/ Manual
LEDs	2pcs IR & 2pcs White Light

Lens

Lens Type	Fixed
Iris	Fixed Iris
Focal Length	2.8mm or 3.6mm
F Number	F1.6
Angle of View	114° / 105°
Focus Control	Fixed

Video

Compression	H.265+ / H.264+ / H.265 / H.264 / MJPEG
Max. Resolution	2160P(3840×2160) & 4000×3000
Streaming Capability	Up to 5 streams
Stream / Frame Rate	Main Streams: 4000×3000 @ 15fps // 3840x2160 / 2592x1944 / 2560x1440 / 1080P / 720P @ 25/30fps Sub Streams: VGA/CIF/QVGA @ 25/30fps 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 / M
Streaming Method	Unicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox
Management Software	Infinity VMS Lite
Smart Phone	IOS, Android

Intelligence

Detections	Video Motion Detection (VMD), Video Tamper
Intelligent Detections	Human Detection, Vehicle Detection, Intrusion Detection

Interface

Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	Optional Built-in Microphone, Optional 1x Audio in / 1x Audio Out
Alarm	N/A
RS485	N/A
BNC Output	N/A
Reset Button	Support
Edge Storage	Optional Micro SD Card up to 1TB

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
Weight & Dimensions	420g // 177mm x 67mm x 70mm

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