

- ▶ Deep Neural Network Accelerated Engine
- ▶ IR LED built in
- ▶ High Dynamic Range (HDR)
- ▶ Dual power support (PoE/ DC12V)
- ▶ Built-in Microphone and Speaker



Micro Box Camera

With compact design, N2-H possess multiple function, including IR LED, true day/night, built-in microphone and speaker which allows two-way audio communication. It is an easy setup camera, especially for retails and offices.



HDR Engine

N2-H utilizes state of the art image processing technology, providing up to 5 mega pixel resolution, high quality HDR video. Its HDR capability captures more image detail under challenging light conditions, such as entrance area, warehouse loading bay.



Features

- Multiple Progressive Scan CMOS Sensor support up to 5M Resolution
- Multi Exposure HDR
- Multi Codec support (H.265/ H.264/ MJPEG)
- Low Latency Streaming
- Quad Streams support
- True Day/ Night function (ICR)
- IR LED (working distance up to 5m)
- ONVIF Profile S/ G/ T/ M support
- 3D Motion Compensated Noise Reduction (MCTF)
- Smart Event function
 - External Input/ Motion Detection
 - Network Failure Detection/ Audio Detection
 - Periodical Event/ Manual Trigger/ Tampering Alarm
- Deep Neural Network Accelerated Engine
 - Face/ LPR Detection and Recognition
 - Object Classification and Recognition
 - People Counting and Tracking
- Micro SD/ SDHC/ SDXC Card support
- Text Overlay and Privacy Masks

Custom Specification (Default)

OmniVision 5M			
Image Sensor	OmniVision 5M 1/2.7" Progressive CMOS		
Effective Pixels	HxV = 2720x1976 (5M)		
Pixel Size	2.0 μm		
Frame Rate (Maximum)	H.265	HDR 5M @30fps	+ 720p @30fps
	H.264	HDR 5M @30fps	+ 720p @30fps
	MJPEG	2M @30fps	
Lens : Default			
Minimum Illumination	Color	0.172 lux	
	B/W	0.036 lux	
Lens	Type	Fixed Lens, Fixed-IRIS, F2.0	
	Focal Length	2.8 mm	
	Horizontal FOV	108.3°	
	Vertical FOV	76.5°	

Common Specification

Camera	
Day and Night	Removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Digital Zoom	10x
Image Settings	Exposure, White Balance, Brightness, Sharpness, Contrast, Saturation, Hue, IR Threshold, Noise Reduction, Backlight Compensation, Text Overlay, Privacy Mask
Rotation	90°, 180°, 270° rotation
Video Codec	
Compression	H.265/ H.264/ MJPEG
Streaming	Up to 4 individually configurable streams in H.265/ H.264/ MJPEG Configurable resolution/ frame rate/ bandwidth VBR/ CBR in H.265/ H.264
Audio Codec	
Compression	G.711/ G.726/ LPCM
Streaming	2 way
Audio Input	Microphone built in
Audio Output	Speaker built in
Network	
Interface	10/ 100Mbps Ethernet
Security	User Authentication/ HTTPS/ IP Filter/ IEEE 802.1x
Supported Protocols	ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, RTSPS, HTTP, HTTPS, FTP, NTP, DDNS, LLDP, RTMP, SRTMP
ONVIF	Profile S/ G/ T/ M conformant
System Integration	
Events Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video and Audio recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

Intelligent Video Analytics	
General Analytics	Motion Detection/ Tampering/ Audio detection
DNN Analytics	Face Detection/ Tracking/ Recognition LPR Detection/ Recognition People Counting Human/ Vehicle Classification Object Classification/ Recognition

General		
Casing	Metal and Plastic	
Power	PoE IEEE802.3af, class 0, max 7.15 watt DC12V, max 0.59 A, max 7.02 watt	
Connectors	RJ45	
	DC12V, Terminal Block	
	Alarm in x1, Alarm out x1, Terminal Block	
IR Illumination Distance	5m	
Storage	Support for microSD/ microSDHC/ microSDXC card Support for recording to NAS	
Operating Conditions	-30°C~55°C 10%~90%, No Condensation	
Storage Conditions	-20°C~70°C	
Approvals	EMC Safety	CE/ FCC RoHS
Dimensions	96.5x56x61.4 mm	
Weight	120 g	

Custom Specification

Default

OmniVision 5M		
Image Sensor	OmniVision 5M 1/2.7" Progressive CMOS	
Effective Pixels	HxV = 2720x1976 (5M)	
Pixel Size	2.0μm	
Frame Rate (Maximum)	H.265	HDR 5M @30fps + 720p @30fps
	H.264	HDR 5M @30fps + 720p @30fps
	MJPEG	2M @30fps
Lens		
Minimum Illumination	Color	0.172 lux
	B/W	0.036 lux
Lens	Type	Fixed Lens, Fixed-IRIS, F2.0
	Focal Length	2.8 mm
	Horizontal FOV	108.3°
	Vertical FOV	76.5°

OmniVision 5M		
Image Sensor	OmniVision 5M 1/2.7" Progressive CMOS	
Effective Pixels	HxV = 2720x1976 (5M)	
Pixel Size	2.0 μm	
Frame Rate (Maximum)	H.265	HDR 5M @30fps + 720p @30fps
	H.264	HDR 5M @30fps + 720p @30fps
	MJPEG	2M @30fps
Lens		
Minimum Illumination	Color	0.172 lux
	B/W	0.036 lux
Lens	Type	Fixed Lens, Fixed-IRIS, F2.0
	Focal Length	4.0 mm
	Horizontal FOV	81.2°
	Vertical FOV	56.5°