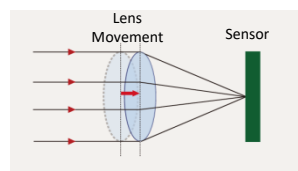


- ▶ Deep Neural Network Accelerated Engine
- ▶ Fixed / Vari-Focal / Motorized lens available
- ▶ Auto Focus function
- ▶ High Dynamic Range (HDR)
- ▶ IR LED built in



Auto Focus

N2-J can perform fast, reliable auto focus and can adapt to different indoor and outdoor scenes through its unique algorithm. As auto focus can be done by camera itself, no on-site focus adjustment is required.



HDR Engine

Utilizes state of the art image processing technology, N2-J provides 2M, and up to 5M resolution, high quality HDR video. Its HDR capability captures more image detail under challenging light conditions, such as entrance area, warehouse loading bay, and parking lot.



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 15m)
- 3D Motion Compensated Noise Reduction (MCTF)
- Text Overlay and Privacy Masks
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/T/M support
- Deep Neural Network Accelerated Engine
 - Face/LPR Detection and Recognition
 - Object Classification and Recognition
 - People Detection and Tracking
- Smart Event function
 - External Input/ Motion Detection
 - Network Failure Detection/ Tampering Alarm
 - Periodical Event/ Manual Trigger
- Weatherproof (IP66)
- Zero-Down-Time(ZDT) Power Switching

Custom Specification (Default)

Omni Vision 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	1080p @30fps
Lens : Default		
Minimum Illumination	Color	0.11 lux
	B/W	0.023 lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	2.7-12mm
	Horizontal FOV	102.1° (wide), 31.5° (tele)
	Vertical FOV	70.3° (wide), 22.7° (tele)

Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Zoom	Optical zoom, digital zoom 10x
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Image 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
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, SRTP
ONVIF	Profile S/ G/ T/ M conformant
System Integration	
Event Triggers	External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger
Event Actions	External output Activation Video recording to edge storage File Upload : FTP, network share and email Notification : HTTP, FTP, email

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

General	
Casing	Metal Body
Power	PoE IEEE802.3af, class 0, max 4.72 watt DC12V max 4.36 watt
Connectors	RJ45
	DC12V Jack
IR Illumination	Illumination distance: 15m
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 CE / FCC Environment IP66
Dimensions	Ø86x162 mm
Weight	385g

Custom Specification



Omni Vision 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	1080p @30fps
Lens : Default		
Minimum Illumination	Color	0.11 lux
	B/W	0.023 lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	2.7-12mm
	Horizontal FOV	102.1° (wide),31.5° (tele)
	Vertical FOV	70.3° (wide),22.7° (tele)

Omni Vision 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	1080p @30fps
Lens		
Minimum Illumination	Color	0.084 lux
	B/W	0.018 lux
Lens	Type	Vari- Focal Lens, F1.4
	Focal Length	2.8-12mm
	Horizontal FOV	95.1° (wide),33.9° (tele)
	Vertical FOV	67.4° (wide),24.6° (tele)

Omni Vision 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	1080p @30fps
Lens		
Minimum Illumination	Color	0.172 lux
	B/W	0.036 lux
Lens	Type	F2.0
	Focal Length	2.8mm
	Horizontal FOV	108.3°
	Vertical FOV	76.5°