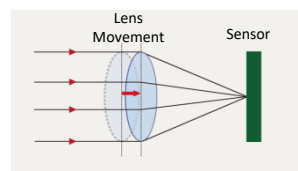


- ▶ Deep Neural Network Accelerated Engine
- ▶ Auto Focus function
- ▶ High Dynamic Range (HDR)
- ▶ Triple power support (PoE/ DC12V/ AC24V)
- ▶ Quick connection mounting and IK10



Auto Focus

N2-F 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-F 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 50m)
- 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/ Audio Detection
- Weatherproof (IP66)
- Vandal Proof (IK10 Rating)
- Zero-Down-Time(ZDT) Power Switching

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	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
Audio Codec	
Compression	G.711 / G.726 / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out
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 and audio recording to edge storage File Upload : FTP, FTPS, SFTP, S3, Email, Push Notification

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 Body
Power	PoE IEEE802.3af, 12.95 watt
	DC12V, 14.21 watt
	AC24V, 14.52 watt, 26.98 VA
Connectors	RJ45
	Alarm in x1, Alarm out x1, Terminal Block
	DC12V Terminal Block
	AC 24V Terminal Block
	Audio in Terminal Block
	Audio out Terminal Block
IR Illumination	Illumination distance: 50m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-30°C~55°C without heater
	-55°C~55°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC
	CE / FCC
	Environment IP66, IK10
Dimensions	Ø133.8x117.4 mm
Weight	760 g

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	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)

Sony 2M		
Image Sensor	Sony 2M 1/2.8" Progressive CMOS	
Effective Pixels	HxV = 1945x1097(2M)	
Pixel Size	2.9 μm	
Frame Rate (Maximum)	H.265	HDR 2M @30fps + 2M @30fps
	H.264	HDR 2M @30fps + 2M @30fps
	MJPEG	1080p @30fps
Lens : Default		
Minimum Illumination	Color	0.079 lux
	B/W	0 lux
Lens	Type	Motorized Lens, P-Iris, F1.6
	Focal Length	2.7-12mm
	Horizontal FOV	106.3° (wide),33.0° (tele)
	Vertical FOV	58.3° (wide),18.6° (tele)