

- ▲ 180° panoramic overview provided by 2 sensors
- ▲ Resolution up to 8M
- ▲ Flexible sensor & resolution combination
- ▲ High Dynamic Range (HDR)
- ▲ 3-axis cable management bracket
- ▲ IR LED built in
- ▲ Vandal Proof



## DNN Edge Analytic Engine

The latest Deep Neural Network edge analytic engine provides high accuracy, real-time object tracking capabilities. Moreover, it allows monitoring multiple objects at the same time.



## Dynamic Stitching

Dynamic stitching technology has a core process to seeking optimal seam line. U2-3 uses two 4M image sensors with this advanced technology to cover wide open areas monitoring, and offers seamless 8M real-time, 180 degree panoramic view with less distortion.



## Features

- Multiple Progressive Scan CMOS Sensor support up to 8M 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 support (15M)
- 3D Motion Compensated Noise Reduction (MCTF)
- Smart Event function- External Input/ Motion Detection / Network Failure Detection/ Tampering Alarm/ Periodical Event/ Manual Trigger/ Audio Detection
- Text Overlay and Privacy Masks
- Micro SD/ SDHC/ SDXC Card support
- ONVIF Profile S/ G/ Q/ T support
- Smart Low Bitrate control
- Weatherproof (IP66)
- Vandal Proof (IK10)

## Custom Specification ( Default )

Omni Vision 4M		
Image Sensor	Omni Vision 4M x2 1/1.8" Progressive CMOS	
Effective Pixels	HxV = 2704x1568 (4M) x2	
Pixel Size	2.9 μm	
Frame Rate (Maximum)	H.265 HDR 8M @30fps	
	H.264 HDR 8M @30fps	
	MJPEG 1080p @30fps	
Lens : Default		
Minimum Illumination	Color	0.098 lux
	B/W	0.02 lux
Lens	Type	Fixed Lens x2, F1.6
	Focal Length	2.8mm
	Horizontal FOV	182.0°
	Vertical FOV	57.4°

## Common Specification

Camera	
Day and Night	Automatically removable IR-cut filter
Shutter Time	1~1/10K sec.
HDR	Yes
Image Settings	Color, Brightness, Sharpness, Contrast White Balance, Exposure Control 2DNR, 3DNR, NR by Motion Masking, Text Overlay
Flip Mode	0°, 180° rotation
Video Codec	
Compression	H.265/H.264/MJPEG
Streaming	H.265/H.264/MJPEG Configurable resolution/frame rate/bandwidth LBR/VBR/CBR in H.265/H.264
Audio Codec	
Compression	G.711 / G.726 / AAC / LPCM
Streaming	2 way
Audio Input	Line in
Audio Output	Line out
Network	
Interface	1Gbps 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, HTTP, HTTPS, FTP, NTP, DDNS
Onvif	Profile S / G / Q / T 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, network share and email Notification : HTTP, FTP, email

Intelligent Video Analytics	
General Analytics	Motion Detection/Tampering/Audio detection

General	
Casing	Metal and Plastic
Power	PoE IEEE802.3af: 12.27 W AC24V: 13.2 W
Connectors	RJ45
	Alarm in x2, Alarm out x1, Terminal Block
	AC 24V Terminal Block
	Audio in 3.5mm Jack Audio out 3.5mm Jack
IR Illumination	Illumination distance: 15m
Storage	Support for microSD/microSDHC/microSDXC card Support for recording to NAS
Operating Conditions	-40°C~55°C with heater 10%~90%, No Condensation
Storage Conditions	-20°C~70°C
Approvals	EMC Safety Environment
	CE / FCC LVD IP66, IK10
Dimensions	Ø140x105.5 mm
Weight	1.1kg

\*optional