



# NUH-78K1V

8MP IR Motorized Bullet Network Camera

## Key Features

- H.265, H.264 Support
- 8MP(4K) Resolution
- Motorized 3.6~11mm Lens
- P-Iris
- True WDR
- 34 IR LEDs for 30m Coverage
- Alarm In/Out(1/1), Audio In/Out(1/1)
- Micro SD Card(SDHC, SDXC)
- PoE, 12VDC
- IP66

## Technical Specifications

Model	NUH-78K1V	
<b>IMAGE</b>		
Lens	Motorized Varifocal 3.6~11mm, F1.5, P-Iris	
Angle of View	87°(H)~38°(H)	
Image Sensor	1/2.5" Sony STARVIS CMOS Sensor	
Min. Illumination	Color : 0.03Lux@F1.5 / BW : 0Lux@IR LED On	
Scanning Mode	Progressive Scan	
Wide Dynamic Range	True WDR	
Day and Night Mode	True D/N(Auto, Day, Night)	
Noise Reduction	2DNR, 3DNR	
Digital Zoom	Yes(ROI)	
Exposure Control	Auto	
White Balance Control	Auto, Manual	
Metering Mode	Spot, Center, Average, Left, Right, Bottom	
Image Effect	Flip, Mirror, Defog	
Flicker Free Mode	50Hz, 60Hz	
Shutter Speed	Auto(1/10,000~1sec), Manual	
IR Illuminator	Quantity	34 IR LEDs
	Distance	Up to 30m
Motorized Lens Control	Smart Focus, Manual	
<b>VIDEO/AUDIO</b>		
Compression	H.264(Baseline, Main, High Profile), H.265(Main Profile) MJPEG	
Bitrate Control	CBR, CVBR	
Resolution	3840x2160, 3072x2048, 2592x1944/1520, 2560x1440, 1920x1080, 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, CIF	
Frame Rate	Max. 25/30fps(PAL/NTSC)	
Streaming	Quad Stream : H.264/H.265x3, MJPEGx1	
Composite Out	1.0Vp-p, 75ohm	
Audio Compression	G.711	
Audio Streaming	2 Way	
<b>SYSTEM</b>		
Video Contents Analysis	Tampering, iVMD, Intrusion Detector, Line Crossing, Object Counting, Loitering, Human Detector	
Motion Detection Area	16 Programmable Area(Include Area 8, Exclude Area 8)	
Privacy Mask Zone	4 Programmable Zone	
Smart Codec	Hi-Stream	
FTP Uploading	MJPEG	
Event Notification	E-mail, FTP, Notification Server, XML Notification, Audio Alert	
Audio Alert	User Defined 3 Audio File	
Login Authority	Administrator, Operator, Guest	
Event Buffering	FTP	Pre : 30sec, Post : 30sec
	SD Record	Pre : 10sec, Post : 60sec
Manual Trigger	4 Programmable Trigger	
Security	Multi User Authority, IP Filtering, HTTPS, SSL	
Network Time Sync	NTP Server, Synchronized Computer, Manual	
Software Reset	Restart, Reset, Factory Default	
Hardware Factory Reset	Yes	
Auto Recovery	Backup, Restore	
Remote Upgrade	Web Browsing(IE, Chrome, Safari, Firefox), SmartManager	
SD Recording Mode	Event, Continuous	
<b>NETWORK</b>		
Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour	
Client Software	Web, SmartManager, Client S/W, Mobile S/W	
Max. User Connection	Live : 10 Users, Playback : 3 Users	
API Support	Open API, Onvif Compliance	
Mobile Support	Android, iOS	
<b>EXTERNAL IN/OUT</b>		
Video Composite Out	Spin Micro USB	
Audio	1 Input, 1 Output(Terminal Block)	
Alarm	1 Input, 1 Output(Terminal Block)	
Ethernet	RJ-45(10/100Base-T)	
u-SD Card	SDHC, SDXC	
<b>ETC</b>		
Operating Humidity	0~90% RH(Non-Condensing)	
Operating Temperature	-20~+50 °C	
Power Supply	PoE(IEEE802.3af Compliance, Class0)/12VDC	
Power Consumption	200mA(9.6W)@PoE	
	690mA(8.3W)@12VDC	
Dimension	90.4(W)x84(H)x280.5(D)mm	
Net Weight	Approx. 1030g(with Sunshield)	
Ingress Protection	IP66	

## Key Functions

- Hi-stream(Smart Codec)
- Intelligent Video Motion Detection(iVMD), Intrusion Detector, Line Crossing, Object Counting, Loitering, Human Detector
- Quad Stream(H.264/H.265, MJPEG)
- Onvif Profile S
- Easy Install : Zero Configuration, Discovery, PoE
- Multi User Authority, IP Filtering, HTTPS, SSL
- Cross Web Browsing(IE, Safari, Firefox, Chrome)
- Audio Alert

## Software

- SmartManager
- Titanium 2.0
- Titanium Mobile

## Optional Accessory

- HJB200(Junction Box)
- HJB400(Junction Box)
- HJB401(Pendant Mount)

## Dimension

