

AI 4K IP IR Bullet

NSF1-78-RS

Features

- 4K 180-degree AI Camera
- Supports Intelligent Video Analysis Events (Line/Intrusion/Queue..)
- 1/1.8" High-Sensitivity Sensor
- Maximum Resolution 3840 (Horizontal) X 2160 (Vertical) / 30fps
- Horizontal Field of View 175 degrees / 180-degree Fisheye Lens
- Day & Night (ICR) / IR Visible Distance 31 meters
- Backlight Compensation (WDR) / 3DNR
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3af/Class3
- IP67/IK10
- Built-in Heater



Dimension (mm)



Specification

Video

Image Sensor	1/1.8" 8.48M(STV2) CMOS
Channels	1
Total Pixel	3856(H) X 2200(V)
Max Resolution	3840(H) X 2160(V)
MIN. Illumination	COLOR: 0.15Lux BW: 0Lux with IR
Only installer Video Output	1 [CVBS 1.0V p-p (75Ω)]
S/N(signal/noise) Ratio	50dB
Scanning Mode	Progressive Scan

Lens

Focal Length	2.3mm
Aperture	F2.8
Lens Type	Fixed
IRIS Type	Auto Exposure
Horizontal Angle	H:175 / V:80
Pan / Tilt / Zoom	Zoom :Fixed

Operational

Shutter Speed	Auto / Manual (1/15 ~ 1/32000) Anti-Flicker Slow Shutter(1/2,1/3,1/5,1/6,1/7.5, 1/10)
Auto Gain Control (AGC)	Auto
Day & Night	TDN (True Day & Night)
Digital Noise Reduction	3D DNR
Wide Dynamic Range (WDR)	WDR(2x)
Dynamic Range	120dB or above
LEDs	H4IR
LED Distance	100ft(31m)
Privacy Zone	No
Function	Motion-Detection Mirror&Flip

Intelligent Video Analytic

AI Intelligent Video Analytic	Yes
VCA Pro AI	Intrusion Detection Zones&lines Tamper Detection Appear Filter Disappear Filter Dwell Filter Enter Filter Exit Filter Stopped Filter Counting Counting Lines Object Color Direction Filter Logical Rules Tailgating Filter DL People Tracker DL Object Tracker Metadata

Encoder (video & audio)

Video Compression	H.264 H.265 MJPEG
Support Resolution	H.265 : 3840x2160/2560x1440/1920x1080/1280x720/704x576/704x480/640x360/352x288/352x240 H.264 : 3840x2160/2560x1440/1920x1080/1280x720/704x576/704x480/640x360/352x288/352x240 MJPEG : 1920x1080/1280x720/768x432/704x576/704x480/640x360/352x288/352x240
Intelligent Codec	Yes
Multiple Profile Streaming Performance	Triple Streaming(3rd Only MJPEG)
Video BitRate	100Kbps~25Mbps
Bitrate Control	Multi Streaming CBR/VBR at H.264,H.265 (Controllable frame rate and Bandwidth)
Video Bitrate extra comment	Multi-rate for Preview and Recording
Audio Compression	G.711 ulaw
Special Feature	Dynamic ROI(Region of Interest)

I/O & Event

Audio In / Out	1 Line Input[1.0Vrms, 3K ohm]/1 Line Output
Alarm In / Out	1 Line/1 Line
Mic	No
Event Trigger	Motion Alarm Network Disconnection Temperature Critical Illegal Login Schedule Sensor Detection
Event Notification	FTP E-Mail Alarm Out SD Card

Network

Ethernet	RJ45(1000Base-T(1Gbps))
Protocol	TCP/IP UDP AutoIP RTP(UDP/TCP) RTSP NTP HTTP HTTPS SSL DNS DDNS DHCP FTP SMTP ICMP SNMPv1/v2/v3(MIB-2) ONVIF
Security	HTTPS(SSL) IP filtering 802.1x Digest Authentication
Application Programming I/F	CGI API ONVIF
Web viewer	MS Edge® Google Chrome®
Video management software (VMS)	DW Spectrum® IPVMS
Support languages	English Korean Japanese
Edge storage	Micro SD Micro SDHC Micro SDXC
SD Card Socket	1

Electrical

Power Requirement	Adaptor is not included DC12V PoE IEEE 802.3af Class3
Power consumption	DC Max: 21.9W(12VDC 1.83A) PoE Max: 9.2W(48VDC 0.19A)

Environmental

Operating Temperature	-20°C ~ 50°C
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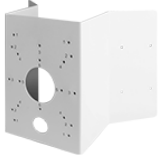
Environmental

Cold Start	-40°C(DC ONLY)
Operating Humidity	10-90% RH(Non-Condensing)
Vandal Proof Casing	IK10
IP Rating	IP67
Other Certification	FCC CE ROHS UL KC

Mechanical

Housing Model	SF1
Housing	Outdoor Bullet
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	222.5mm 96.7mm
Weight	0.97kg

Compatible Accessories

 <p>BJC11 JUNCTION BRACKET</p>	 <p>BJC01 Junction Bracket</p>	 <p>BP01 Pole Mount Bracket</p>	 <p>BCO01 Corner Mount Bracket</p>
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