

AI 4K IP IR Bullet

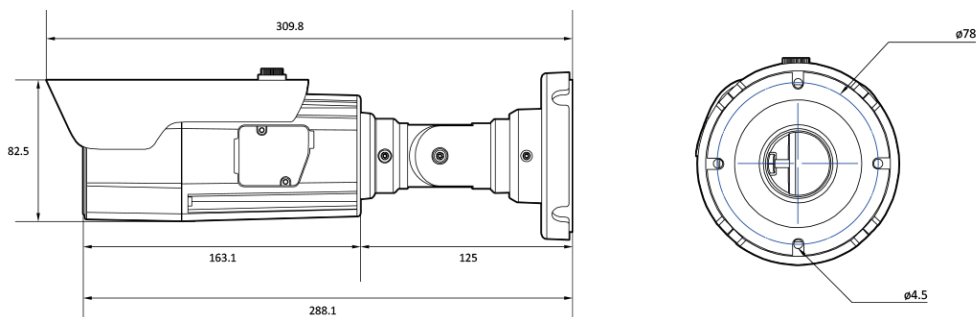
NBT7-78-R

Features

- AI Deep Learning Filter
- AI Deep Learning VCA Edge
- Weather Proof Design
- Water Proof Cable
- Optimized Multiple Profile Streaming
- ROI(Region of Interest)
- Advanced Built in ISP
- Fluid Integration Way
- Double Scan Sensor with Advanced Built in ISP (8M)
- Two motor MFZ(Motorized Focus Controllable) / P-Iris lens



Dimension (mm)



Specification

Video

Image Sensor	1/2.8" 8.0M CMOS
Channels	1
Total Pixel	3864(H) X 2228(V)
Max Resolution	3840(H) X 2160(V)
MIN. Illumination	COLOR: 0.09Lux 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	2.7~13.5mm
Aperture	F1.4
Lens Type	Motorized_Varifocal
IRIS Type	P-IRIS
Horizontal Angle	D:38.2 ~105.0 , H:33.1 ~90.3 , V:18.9 ~49.0
Pan / Tilt / Zoom	Pan: Tilt : Zoom :X 5.0 Optical

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	H6IR
LED Distance	130ft(40m)
Privacy Zone	Yes
Function	Motion Detection Mirror & Flip

Intelligent Video Analytic

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

Encoder (video & audio)

Video Compression	H.264 H.265 MJPEG
Support Resolution	H.265 : 3840x2160/2592x1944/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240 H.264 : 3840x2160/2592x1944/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240 MJPEG : 1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/640x360/352x288/352x240
Intelligent Codec	Yes
Multiple Profile Streaming Performance	Triple Streaming(3rd Only MJPEG)
Video BitRate	100Kbps~25Mbps
Bitrate Control	Multi Streaming CBR/VBR at H.265 (Controllable frame rate and Bandwidth)
Video Bitrate extra comment	Multi-rate for Preview and Recording
Audio Compression	G.711
Special Feature	Dynamic ROI(Region of Interest)

I/O & Event

Audio In / Out	1 Line[1.0Vms, 3K ohm]/1 Line
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® Internet Explorer® 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 802.3at Class4
Power consumption	DC Max: 13.2W PoE Max: 14.8W

Environmental

Operating Temperature	-20°C ~ 50°C
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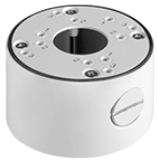
Environmental

Cold Start	-40°C~ 50°C
Operating Humidity	10-90% RH(Non-Condensing)
Vandal Proof Casing	IK10
IP Rating	IP67
Other Certification	FCC CE ROHS UL

Mechanical

Housing Model	BT7
Housing	Outdoor Bullet
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	310mm 97mm
Weight	1.2kg

Compatible Accessories



BJC07

Junction Bracket



BJC01

Junction Bracket