CPRO
DIGITAL SURVEILLANCE SYSTEMS

AI 8M IP IR Flat Dome

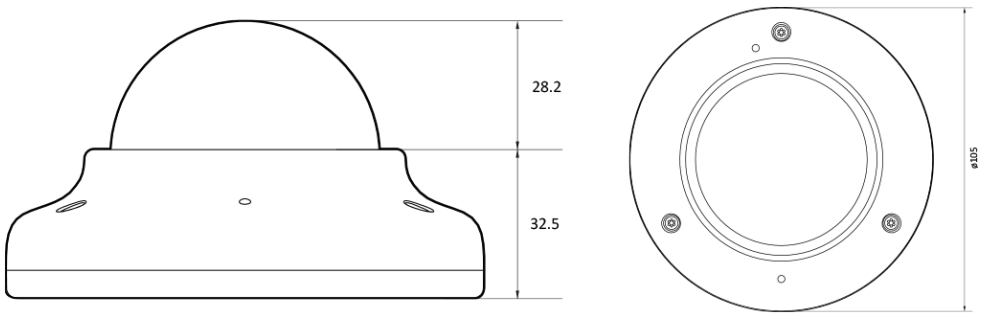
NVD7-78-R

Features



- 4K AI Camera
- Supports Intelligent Video Analysis Events (Line Crossing, Intrusion, Queue Management, etc.)
- Maximum Resolution 3840 (H) X 2160 (V) / 30fps
- Horizontal Field of View 104 degrees (2.8mm), 87 degrees (4.0mm), 55 degrees (6.0mm) / Fixed Lens Options
- Day & Night(ICR)/IR Visibility up to 28 meters
- Backlight Compensation (WDR)
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3af/Class3
- IP67/IK10
- Built-in Microphone

Dimension (mm)



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Specification

Video	
Image Sensor	1/2.8” 8.6M CMOS
Channels	1
Total Pixel	3864(H) X 2228(V)
Max Resolution	3840(H) X 2160(V)
MIN. Illumination	COLOR: 0.12Lux BW: 0Lux with IR
Only installer Video Output	No
S/N(signal/noise) Ratio	50dB
Scanning Mode	Progressive Scan

Lens	
Focal Length	2.8mm 4.0mm 6.0mm
Aperture	F1.6
Lens Type	Fixed
IRIS Type	Auto Exposure
Horizontal Angle	D : 119°, H : 104°, V : 58° (2.8mm) /D : 105°, H : 87°, V : 44° (4mm) /D : 64°, H : 55°, V : 30° (6mm)
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	H2IR
LED Distance	90ft(28m)
Privacy Zone	Yes
Function	Motion-Detection LDC Mirror&Flip Auto White Balance

Intelligent Video Analytic	
AI Intelligent Video Analytic	Yes
Video analytics	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

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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.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	Mic /1 Line Output
Alarm In / Out	1 Line/1 Line
Mic	Yes
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 (10/100Base-T)
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®
Support languages	English Korean Japanese Vietnamese
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: 8.6W PoE Max: 10.1W

Environmental

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Environmental	
Operating Temperature	-20℃ ~ 50℃
Cold Start	No
Operating Humidity	10-90% RH(Non-Condensing)
Vandal Proof Casing	IK10
IP Rating	IP67
Other Certification	FCC CE ROHS UL

Mechanical	
Housing Model	VD7
Housing	Outdoor Dome
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	105mm 60.7mm
Weight	0.36kg

Compatible Accessories



BJC12
JUNCTION BRACKET



BC11 NPT



BJC04
Junction Bracket



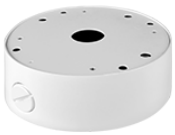
BW11
Wall Bracket



BC11
Ceiling Bracket



GP02
Gang Bracket



BJC09
Wall Junction Bracket



BP01
Pole Mount Bracket

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BCO01

Corner Mount Bracket