

AI 4K IP IR Flat Dome

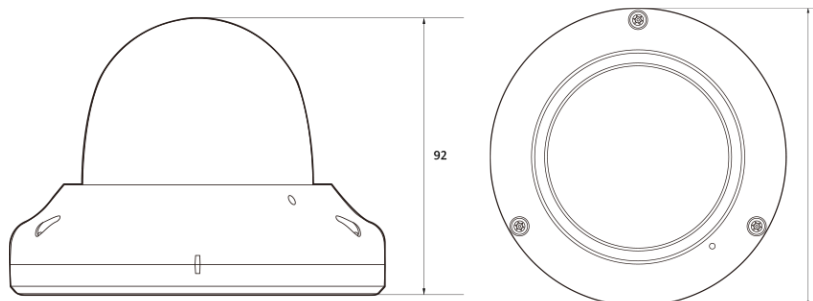
NVD13-78-R

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" 8M CMOS
Channels	1
Total Pixel	3864(H) X 2228(V)
Max Resolution	3840(H) x 2160(V)
MIN. Illumination	0.09Lux 0Lux with IR (F1.4)
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
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 :X5 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)	Yes
Day & Night	TDN (True Day & Night)
Digital Noise Reduction	3D DNR
Wide Dynamic Range (WDR)	WDR (2x)
Dynamic Range	120dB or above
IR LEDs	H2IR
IR Distance	70ft
Privacy Zone	Yes

Intelligent Video Analytic	
AI Intelligent Video Analytic	Yes
IVA License	Intrusion Line Crossing Counting Line Loitering Enter Exit Tamper
IVA+ License	Object Removed Tailgating Direction Stopped Appear Disappear Abandoned
VCA Presence/Presence AI	Zones Tamper Detection Presence/DL-Filter
VCA Count/Count AI	Zones Tamper Detection Counting Counting Lines Presence Dwell Filter/Direction Filter DL People Tracker

Intelligent Video Analytic

VCA Pro/Pro AI	Zones Tamper Detection Presence Counting Counting Lines Appear Filter Disappear Filter Stopped Filter Enter Filter Exit Filter Tail Gating Abandoned Object Filter Meta Data Logical Rules Direction Filter/DL Filter DL People Tracker DL Object Tracker
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Encoder (video & audio)

Video Compression	H.265 H.264 MJPEG
Support Resolution	H.265 : 3840x2160/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240 H.264 : 3840x2160/2560x1440/1920x1080/1280x720/640x480/640x360/352x288/352x240 MJPEG : 1920x1080/1280x720/800x600/768x432/704x576/704x480/640x480/640x360/352x288/352x240
Intelligent Codec	Yes
Multiple Profile Streaming Performance	3840x2160p30 + 480p30 with H.264,H265 + MJPEG
Video BitRate	Yes
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) Smart LBR

I/O & Event

Audio In / Out	1[1.0Vms, 3K ohm]/1
Alarm In / Out	1/1
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
SIP/VoIP Support	SIP VoIP
Application Programming I/F	CGI API ONVIF
Web viewer	Windows® 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

Electrical	
Power Requirement	Adaptor is not included PoE IEEE 802.3af Class3
Power consumption	DC12V Max 10.2WPoE Max 12.5W

Environmental	
Operating Temperature	-20°C ~ 50°C
Operating Humidity	10-90% RH(Non-Condensing)
IP Rating	IP67
Other Certification	FCC CE ROHS UL

Mechanical	
Housing Model	VD13
Housing	Outdoor Dome
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	125mm 92mm
Weight	0.52kg

Compatible Accessories

 BCA3 NP(K) Ceiling Bracket	 GP02 Gang Bracket	 BJC03 Junction Bracket	 BW10 Wall Bracket
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