CPRO
DIGITAL SURVEILLANCE SYSTEMS

AI 12M IP IR Fisheye Dome

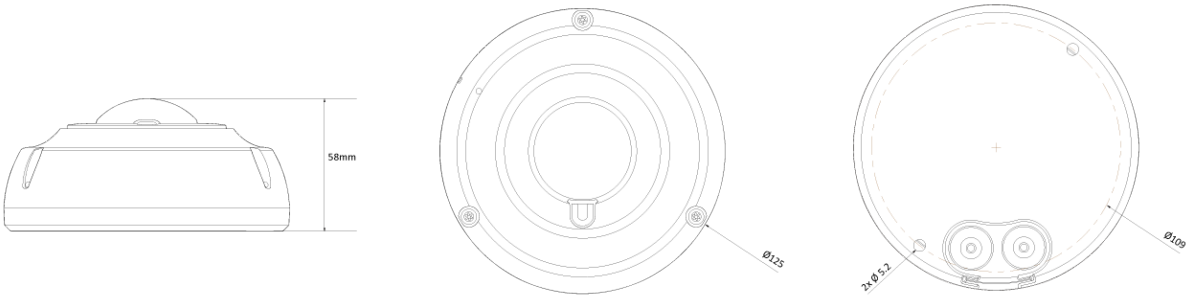
NVF13-712-R

Features

- 12MP 360-degree AI Camera
- Supports Intelligent Video Analysis Events (Line Crossing/Intrusion/Queue Management..)
- 1/2.3" High Sensitivity Sensor
- Maximum Resolution 4000 (Horizontal) X 3000 (Vertical) / 20fps
- Horizontal Field of View 180 degrees / 180-degree Fisheye Lens
- Day & Night(ICR)/Night Vision up to 22 meters
- Backlight Compensation (WDR)/3DNR
- 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	1/2.3" 12.93M CMOS
Channels	1
Total Pixel	4072(H) X 3176(V)
Max Resolution	4000(H) X 3000(V)
MIN. Illumination	COLOR: 0.52Lux 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	1.5mm
Aperture	F2.2
Lens Type	Fixed
IRIS Type	Auto Exposure
Horizontal Angle	D:185°, H:185°, V:185°
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	H3IR
LED Distance	70ft(22m)
Privacy Zone	Yes
Function	Motion-Detection 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 : 4000x3000/3008x3000/2800x2800/1600x1600/640x640/320x320 H.264 : 4000x3000/3008x3000/2800x2800/1600x1600/640x640/320x320 MJPEG : 1440x1440/1280x1280/640x640/320x320
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(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®
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: 10.2W PoE Max: 11.5W

Environmental	
Operating Temperature	-20℃ ~ 50℃
Cold Start	No

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Environmental	
Operating Humidity	10-90% RH(Non-Condensing)
Vandal Proof Casing	IK10
IP Rating	IP67
Other Certification	FCC CE ROHS UL KC

Mechanical	
Housing Model	VF13
Housing	Outdoor Dome Fisheye
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	125mm 58mm
Weight	0.55kg

Compatible Accessories



BJC11
JUNCTION BRACKET



BC10 NPT



BJC08
Angle Bracket



GP02
Gang Bracket



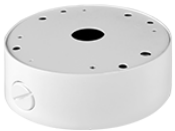
BJC03
Junction Bracket



BW10
Wall Bracket



BC10
Ceiling Bracket



BJC09
Wall Junction Bracket

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BP01

Pole Mount Bracket



BCO01

Corner Mount Bracket