2M IP IR Mini Dome

NVD7-22-R

Features
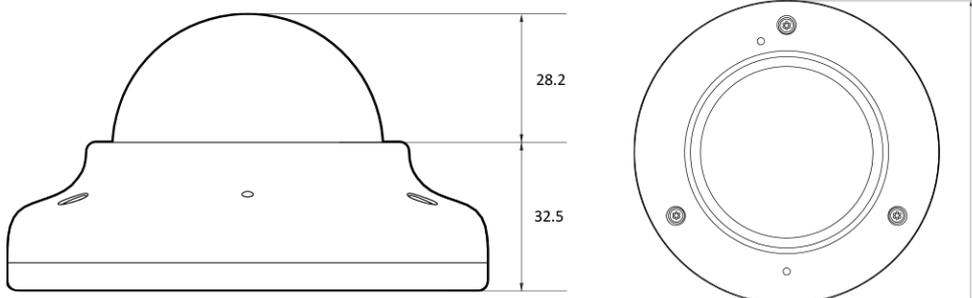
- 2MP miniature camera
- Maximum resolution 1920 (horizontal) X 1080 (vertical) / 30fps
- Horizontal field of view 111 degrees (2.8mm), 86 degrees (4.0mm), 55 degrees (6.0mm), 40 degrees (8.0mm) / Fixed lens selection
- Day & Night (ICR) / IR visibility distance 19 meters
- Backlight compensation (WDR)
- SD/SDHC/SDXC memory slot
- PoE IEEE 802.3af/Class3
- IP67/IK10

Dimension (mm)

28.2

32.5

ø105

Specification

Video	
Image Sensor	1/2.8" 2.1M CMOS
Channels	1
Total Pixel	1945(H) X 1109(V)
Max Resolution	1920(H) X 1080(V)
MIN. Illumination	2.8mm : 0.05Lux, 0Lux with IR(F2.0) | 4mm : 0.09Lux, 0Lux with IR (F2.6) mm : 0.05Lux, 0Lux with IR (F2.0) | 8mm : 0.03Lux, 0Lux with IR (F1.6)
Only installer Video Output	No
S/N(signal/noise) Ratio	50dB
Scanning Mode	Progressive Scan

Lens	
Focal Length	2.8mm 4.0mm 6.0mm 8.0mm
Aperture	2.8mm, F2.0 | 4.0mm, F2.6 | 6.0mm, F2.0 | 8.0mm, F1.6
Lens Type	Fixed
IRIS Type	Auto Exposure
Horizontal Angle	D:128°, H:111°, V:62° (2.8mm) D:120°, H:86°, V:46° (4mm) D:64°, H:55°, V:30° (6mm) D:47°, H:40°, V:22° (8mm)
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	60ft(18m)
Privacy Zone	Yes
Function	Motion-Detection Mirror&Flip

Intelligent Video Analytic	
AI Intelligent Video Analytic	No

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Encoder (video & audio)

Video Compression	H.264 H.265 MJPEG
Support Resolution	H.265 : 1920x1080/1280x720/704x576/704x480/640x480/352x288/352x240 H.264 : 1920x1080/1280x720/704x576/704x480/640x480/352x288/352x240 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~10Mbps
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) Smart LBR

I/O & Event

Audio In / Out	Mic / No
Alarm In / Out	No
Mic	Yes
Event Trigger	Motion Alarm Network Disconnection Temperature Critical Illegal Login Schedule
Event Notification	FTP E-Mail 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®
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 Class2
Power consumption	DC Max: 3.7W PoE Max: 5.5W

Environmental

Operating Temperature	-20℃ ~ 50℃

Environmental	
Cold Start	No
Operating Humidity	10-90% RH(Non-Condensing)
Vandal Proof Casing	IK10
IP Rating	IP67
Other Certification	FCC CE

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

BCO01

Corner Mount Bracket