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DIGITAL SURVEILLANCE SYSTEMS

AI 4K IP MFZ Full-Color Flashlight Turret

NVD3-78-WA

Features

- 4K AI Full-Color Strobe Light Camera
- Supports Intelligent Video Analysis Events (Line Crossing/Intrusion/Queue Management..)
- Maximum Resolution3840 (H) X 2160 (V) / 30fps
- Horizontal Field of View 98 degrees (Wide) ~ 46 degrees (Zoom) / 2.7x Optical Zoom
- Night Vision up to 28 meters
- Backlight Compensation (WDR)
- SD/SDHC/SDXC Memory Slot
- PoE IEEE 802.3at/Class4
- IP67/IK10
- Built-in Microphone/Speaker (Siren)/W&R&B Alarm Lamp



Dimension (mm)

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Specification

Video	
Image Sensor	1/1.8” 8.48M(STV2) CMOS
Channels	1
Total Pixel	3856(H) X 2200(V)
Max Resolution	3840(H) X 2160(V)
MIN. Illumination	0.035Lux 0Lux with White
Only installer Video Output	No
S/N(signal/noise) Ratio	50dB
Scanning Mode	Progressive Scan

Lens	
Focal Length	3.6-10mm
Aperture	F1.5
Lens Type	Motorized_Varifocal
IRIS Type	P-IRIS
Horizontal Angle	D:52.3°~112.9°, H:45.7°~98.4°, V:25.9°~54.6°
Pan / Tilt / Zoom	Zoom :2.7X 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	No
Digital Noise Reduction	3D DNR
Wide Dynamic Range (WDR)	WDR(2x)
Dynamic Range	120dB or above
LEDs	H2W/H1RGB
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 / Speaker
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 Siren Flashlight

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
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 802.3at Class4
Power consumption	DC Max: 12W PoE Max: 15W

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 KC

Mechanical	
Housing Model	VD3
Housing	Outdoor Turret
Material	Aluminum-Die Casting
Color	White
Dimensions (W x D x H)	125mm 121.7mm
Weight	0.88kg

Compatible Accessories



BJC11
JUNCTION BRACKET



BC10 NPT



GP02
Gang Bracket



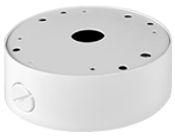
BJC03
Junction Bracket



BW10
Wall Bracket



BC10
Ceiling Bracket



BJC09
Wall Junction Bracket



BP01
Pole Mount Bracket

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BCO01

Corner Mount Bracket