

4 Camera Safe-Net AI Guarding Vision System



4 Channel PoE NVR

Key Feature

- Up to 4-ch IP camera inputs
- H.265+/H.265/H.264+/H.264 video formats
- Up to 1-ch@8 MP/3-ch@4 MP/6-ch@1080p decoding capacity
- Up to 40 Mbps incoming bandwidth



Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%

HD Video Output

- Provide simultaneous HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- 1 SATA interface for HDD connection (up to 8 TB capacity per HDD)
- Smart search/smart playback to improve the playback efficiency

Smart Function

- 1-ch Motion Detection 2.0
- Support multiple VCA (Video Content Analytics) events
- Configurable special camera smart functions, such as VCA detection (motion, line crossing, intrusion, etc.)

Network & Ethernet Access

- 4 independent PoE network interfaces
- 1 self-adaptive 10/100 Mbps Ethernet interface
- HiLookVision for easy network management

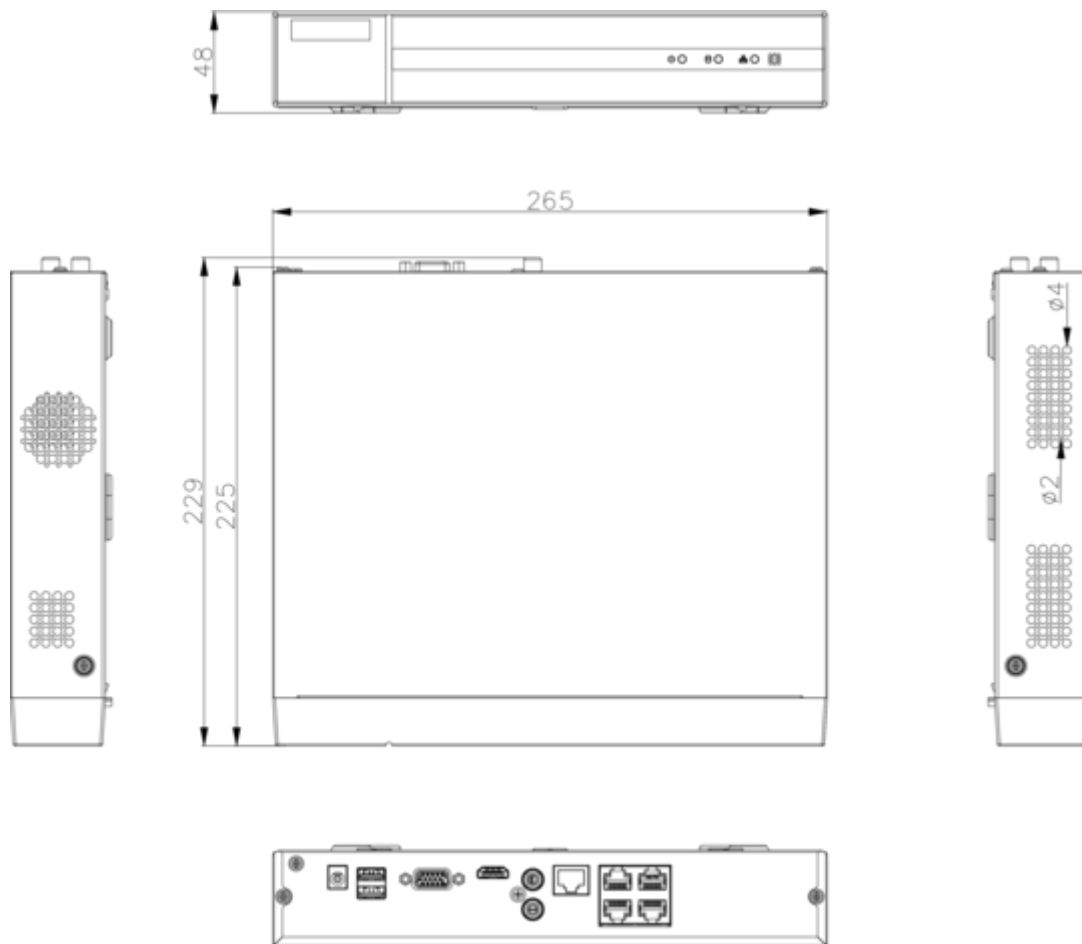
▪ Specification

Motion Detection 2.0	
Human/Vehicle Analysis	1-ch
Video and Audio	
IP Video Input	4-ch
Incoming Bandwidth	40 Mbps
Outgoing Bandwidth	80 Mbps
HDMI Output	1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
VGA Output	1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
Video Output Mode	HDMI/VGA simultaneous output
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1kΩ)
Decoding	
Decoding Format	H.265+/H.265/H.264+/H.264
Recording Resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	4-ch
Decoding Capability	1-ch@8 MP (30 fps)/3-ch@4 MP (30 fps)/6-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726
Network	
Remote Connection	32
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface
PoE	
Interface	4-ch, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 50 W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	1 SATA interface
Capacity	Up to 8 TB capacity for each disk
USB Interface	2 × USB 2.0
Alarm In/Out	N/A
General	
Power Supply	48 VDC, 1.35 A



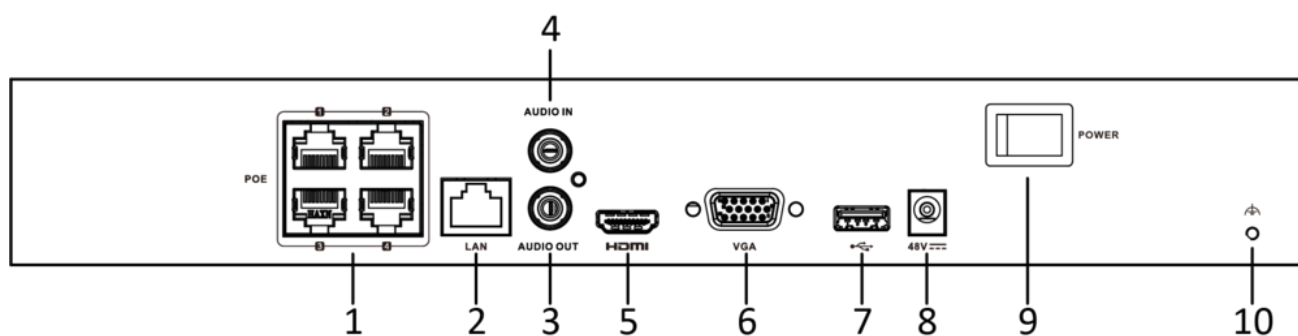
Consumption	≤ 10 W (without HDD and PoE off)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Dimension (W × D × H)	265 × 225 × 48 mm (10.2" × 8.9" × 1.9")
Weight	≤ 1 kg (without HDD, 2.2 lb.)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 55035: 2017

Dimension



scale/1:1;Unit/mm

Physical Interface



No.	Description	No.	Description
1	Network interfaces with PoE function	6	VGA output (DB9 connector)
2	LAN interface	7	USB interface
3	AUDIO OUT	8	Power supply
4	AUDIO IN	9	Power switch
5	HDMI interface	10	GND

Available Model

NVR-104MH-C/4P (D)

6 MP Smart Hybrid Light Fixed Turret Network Camera



- High quality imaging with 6 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)

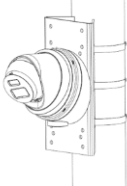
▪ Specification

Camera	
Image Sensor	1/2.4" Progressive Scan CMOS
Max. Resolution	3200 × 1800
Shutter Time	1/3 s to 1/100,000 s
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 105°, vertical FOV 55°, diagonal FOV 127° 4 mm, horizontal FOV 78°, vertical FOV 38°, diagonal FOV 96°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	2.8 mm, D: 76 m, O: 30 m, R: 15 m, I: 7 m 4 mm, D: 115 m, O: 45 m, R: 23 m, I: 11 m
Illuminator	
Supplement Light Type	IR, White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP, UPnP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes, 1 built-in microphone
Built-in Speaker	Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 95 dB.
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, flashing light
General	
Power	12 VDC ± 25%, 0.66 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 9.5 W
Material	Metal & Plastic
Dimension	Ø110 mm × 102.7 mm (Ø4.33" × 4.04")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 360 g (0.8 lb.)
With Package Weight	Approx. 551 g (1.2 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email

▪ Accessory

▪ Optional

DS-1272ZJ-110-TRS Wall mount	DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1280ZJ-S Junction box	DS-1281ZJ-S Inclined ceiling mount
				
				
DS-1280ZJ-TR13 Junction box	DS-1271ZJ-110-TRS DS-1271ZJ-110-TRS			
				
				