

DS-E04NI-Q1/4P SSD NVR

Key Feature

- Powered by eSSD technology
- Low power consumption
- H.265+/H.265/H.264+/H.264 video compression
- Up to 40 Mbps incoming bandwidth, and 60 Mbps outgoing bandwidth
- Up to 4-ch network camera inputs
- Up to 4-ch 1080p decoding capability



Built-in SSD

- SSD design brings low power consumption
- Integrated storage design provides the plug-and-play device use

Easy Installation

- Mini size design saves installation space
- Anti-vibration design and light weight satisfy more installation conditions

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel recording at up to 4 MP resolution

Storage and Playback

- 2-ch@4 MP or 4-ch@1080p playback resolution

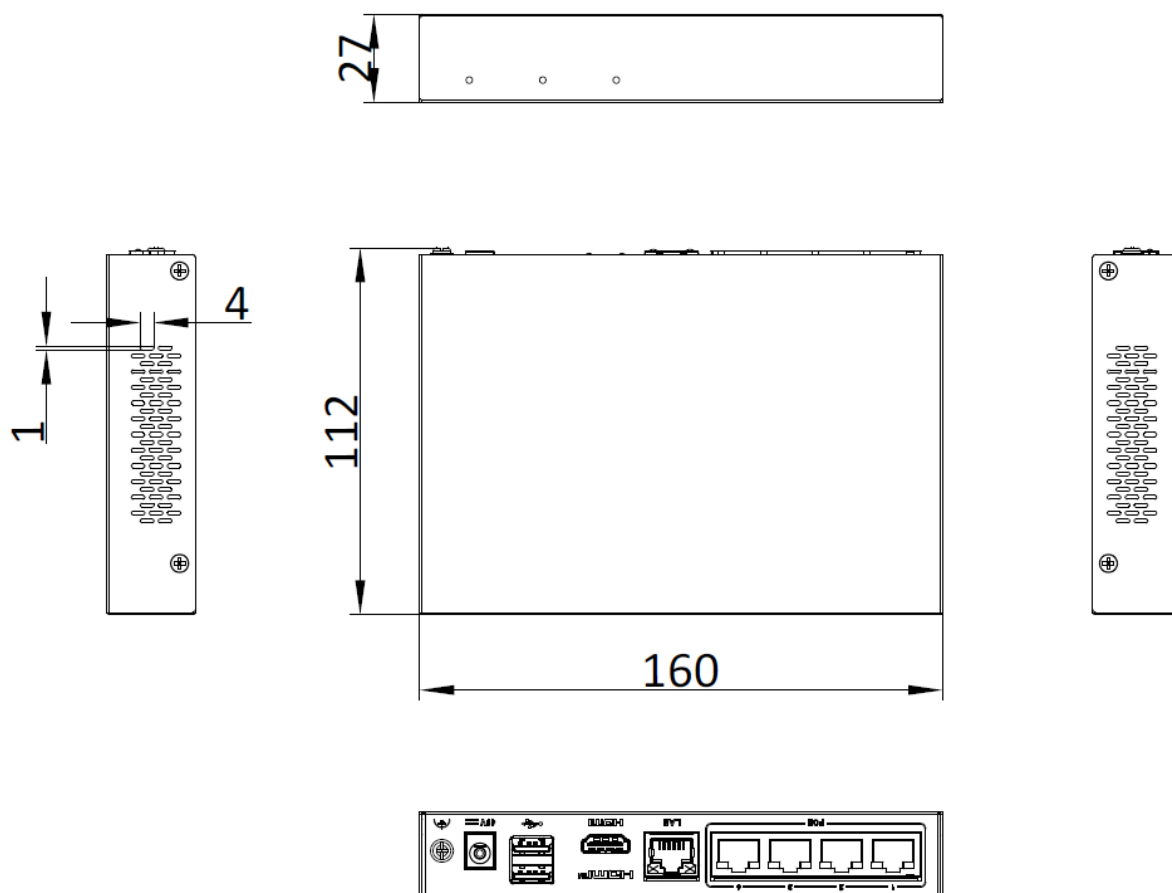
Network & Ethernet Access

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

▪ Specification

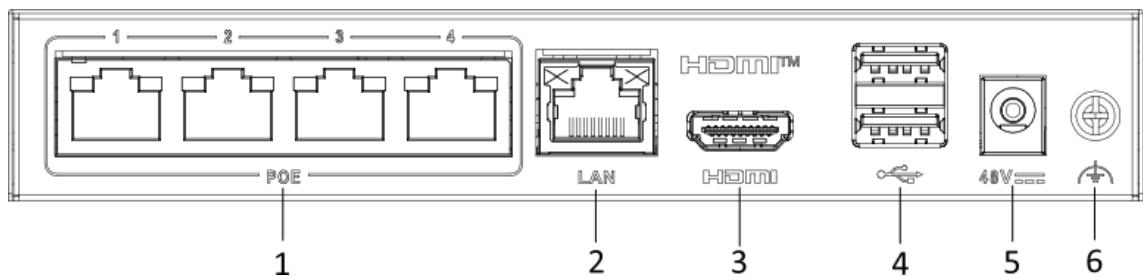
Video and Audio	
IP Video Input	4-ch
Incoming Bandwidth	40 Mbps
Outgoing Bandwidth	60 Mbps
HDMI Output	1920×1080/60Hz, 1600×1200/60Hz, 1280×1024/60Hz, 1280×720/60Hz
Decoding	
Decoding Format	H.265, Smart265, H.264, Smart264
Recording Resolution	4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous Playback	4-ch
Decoding Capability	4-ch@1080p (25 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726
Network	
Remote Connection	128-ch
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1 RJ-45 10/100 Mbps self-adaptive Ethernet interface
PoE	
Interface	4, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 36 W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
Capacity	DS-E04NI-Q1/4P(SSD 1T): 1TB SSD (pre-installed) DS-E04NI-Q1/4P(SSD 2T): 2TB SSD (pre-installed)
USB Interface	Rear panel: 2 × USB 2.0
General	
Power Supply	48VDC, 1.04A
Consumption	≤ 10 W (with SSD)
Working Temperature	DS-E04NI-Q1/4P(SSD 1T): -10 °C to 45 °C (14 °F to 113 °F) DS-E04NI-Q1/4P(SSD 2T): -10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	10 to 90 %
Dimension (W × D × H)	160 × 112 × 27 mm (6.3" × 4.4" × 1.1")
Weight	≤ 0.5 kg
Certification	
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	4	USB interfaces
2	LAN interface	5	Power supply
3	HDMI interface	6	GND

Available Model

DS-E04NI-Q1/4P(SSD 1T)

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DS-2CD2126G2-I(SU)

2 MP AcuSense Powered-by-DarkFighter Fixed Dome Network Camera

AcuSense

Powered by

DarkFighter



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 2 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Focus on human and vehicle classification based on deep learning
- -SU: Built-in microphone for real-time audio security, Audio and alarm interface available
- Water and dust resistant (IP67) and vandal resistant (IK10)



▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR
Wide Dynamic Range	120 dB
Shutter Speed	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Slow Shutter	Yes
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
P/N	P/N
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 129° 4 mm, horizontal FOV 86°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°
Lens Type	Fixed focal lens, 2.8, 4, and 6 mm optional
Aperture	F1.4
Lens Mount	M12
Iris Type	Fixed
DORI	
DORI	2.8 mm: D: 44.3 m, O: 17.6 m, R: 8.9 m, I: 4.4 m 4 mm: D: 53.4 m, O: 21.2 m, R: 10.7 m, I: 5.3 m 6 mm: D: 86.9 m, O: 34.5 m, R: 17.4 m, I: 8.7 m
Illuminator	
IR Range	Up to 30 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Supplement Light Type	IR
Video	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.265+/H.264+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports

H.265+	Main stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.265 and H.264 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Environment Noise Filtering	-S: Yes
Audio Sampling Rate	-S: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	-S: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	-S: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
Smooth Streaming	Yes
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Interface	
Alarm	-S: 1 alarm input, 1 alarm output (max. 12 VDC, 30 mA)
Audio	-S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Built-in Microphone	-U: Yes
On-Board Storage	Built-in memory card slot, support microSD card, up to 256 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port

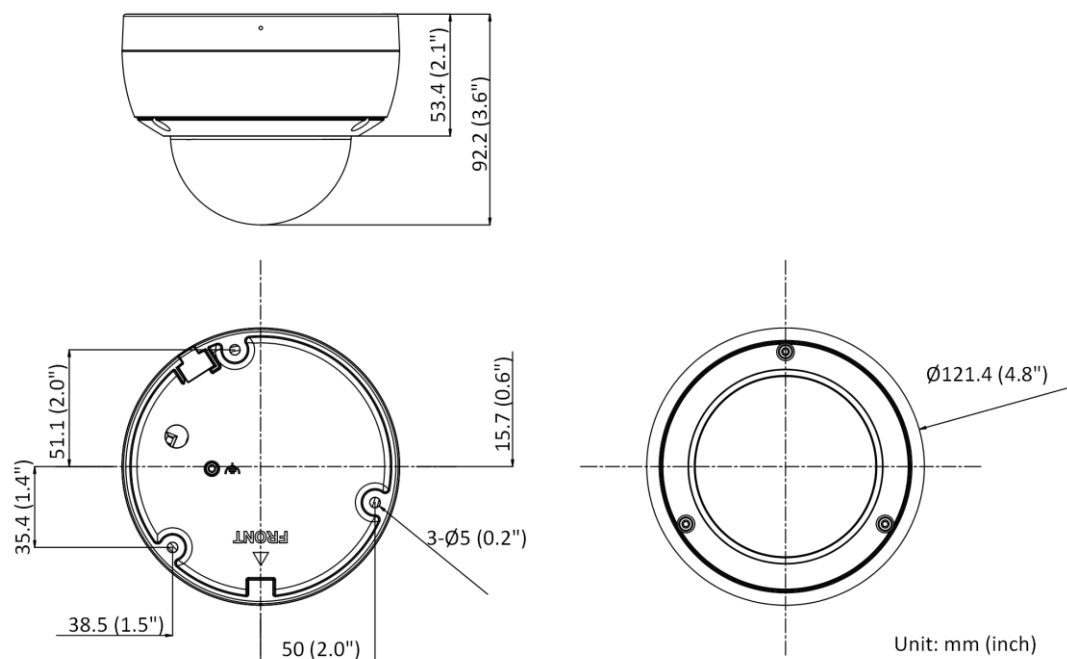
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Supports human and vehicle targets classification
General	
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)
Power Supply	12 VDC $\pm$ 25%, reverse polarity protection PoE: 802.3af, class 3
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W PoE: (802.3af, 36 V to 57 V), 0.20 A to 0.15 A, max. 6.5 W
Power Interface	Ø5.5 mm coaxial power plug
Material	Base: Metal, cover: Metal
Dimension	Ø121.4 × 92.2 mm (4.8" × 3.6")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 550 g (1.2 lb.)
With Package Weight	Approx. 800 g (1.8 lb.)
Linkage Method	Upload to NAS/memory card/FTP, notify surveillance center, trigger recording, trigger capture, send email -S model also supports: trigger alarm output, audible warning
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Software Reset	Yes
Firmware Version	V5.5.113
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

▪ Available Model

DS-2CD2126G2-I (2.8/4 mm)

DS-2CD2126G2-ISU (2.8/4 mm)

▪ Dimension



▪ Accessory

▪ Optional

DS-1271ZJ-120 Pendant Mount	DS-1280ZJ-DM46 Junction Box	DS-1272ZJ-120 Wall Mount	DS-1272ZJ-120B Wall Mount	DS-1276ZJ-SUS Corner Mount
				
DS-1275ZJ-SUS Vertical Pole Mount	DS-1253ZJ-M Rain Shade	DS-1272ZJ-120-TR15 Wall Mount		
				

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