

CS-N105 P4H-AI 1HDD 5ch PSE AI NVR

Sharp Series



KEY FEATURES

- Up to 5-ch IP camera accesses
- Incoming/Outgoing bandwidth: 100Mbps/80Mbps
- S+265, H.265, S+264, H.264 video formats
- Max. decoding capability: 16MP(30fps) × 1 or 1080P(30fps) × 5
- 5-ch synchronous playback
- Up to 10 TB capacity for each HDD
- Simultaneous HDMI and VGA outputs
- HDMI output at up to 4K resolution
- 1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port
- PoE interface, 4 × RJ45, 10/100 Mbps self-adaptive Ethernet port
- S+ 265 compression effectively reduces the storage space by up to 75%
- Support cloud upgrade



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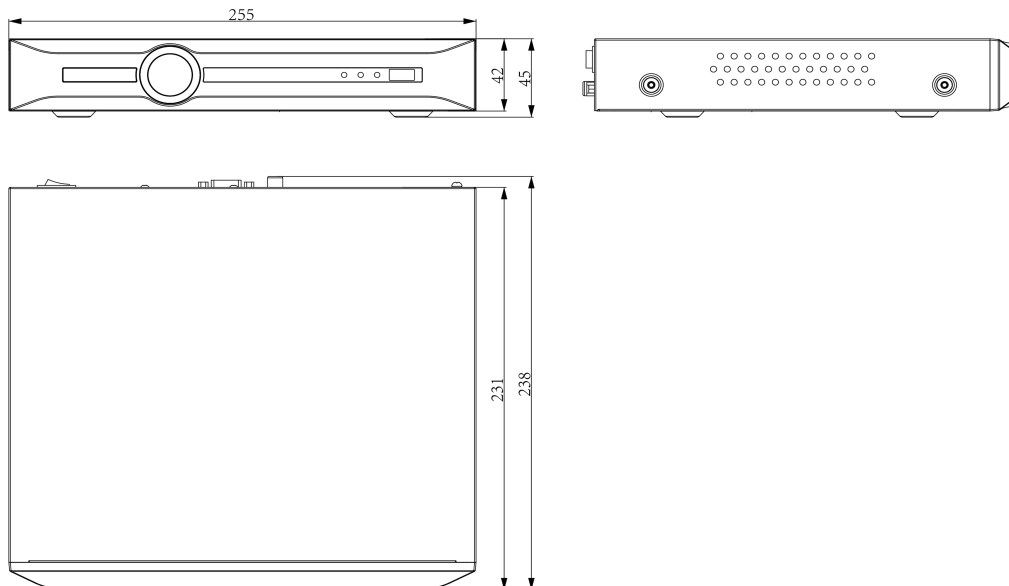
SPECIFICATIONS

Video and Audio	
Access Channel	5
Incoming Bandwidth	100Mbps
Outgoing Bandwidth	80Mbps
Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability	16MP(30fps)×1,8MP(30fps)×2,6MP(30fps)×3,5MP(30fps)×4,4MP(30fps)×5,3MP(30fps)×5,1080P(30fps)×5,720P(30fps)×5,4CIF(30fps)×5 (AI on: 16MP(30fps)×1,8MP(30fps)×2,6MP(30fps)×2,5MP(30fps)×3,4MP(30fps)×4,3MP(30fps)×5,1080P(30fps)×5,720P(30fps)×5,4CIF(30fps)×5)
Playback Decoding Capability	16MP(30fps)×1,8MP(30fps)×2,6MP(30fps)×3,5MP(30fps)×4,4MP(30fps)×5,3MP(30fps)×5,1080P(30fps)×5,720P(30fps)×5,4CIF(30fps)×5 (AI on: 16MP(30fps)×1,8MP(30fps)×2,6MP(30fps)×2,5MP(30fps)×3,4MP(30fps)×4,3MP(30fps)×5,1080P(30fps)×5,720P(30fps)×5,4CIF(30fps)×5)
Third-party Camera Access	ONVIF(ProfileS/T); RTSP
HDMI Output	HDMI:1024×768(60Hz),(720P)1280×720(50Hz/60Hz),1280×800(60Hz),1280×1024(60Hz),1440×900(60Hz),(1080P)1920×1080(50Hz/60Hz), (2K)2560×1440(30Hz/60Hz),(4K)3840×2160(30Hz)
VGA Output	VGA:1024×768(60Hz),(720P)1280×720(50Hz/60Hz),1280×800(60Hz),1280×1024(60Hz),1440×900(60Hz),(1080P)1920×1080(50Hz/60Hz)
Multi-screen Display	SimultaneousOutput: VGA:1/2A/2B/3/4/5/6 HDMI:1/2A/2B/3/4/5/6
Audio Input	1-ch,3.5mm
Audio Output	1-ch,RCA(Linear,1KΩ)
Two-Way Audio	1-ch,3.5mm,usingtheaudioinput
Compression Standard	
Video Compression	S+265; H.265; S+264; H.264
Audio Compression	G.711A; G.711U; AAC; ADPCM_D
Stream Type	Video; Video & Audio
Network	
Network Protocol	802.1X; ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; QoS; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1/v2/v3; SRTP; SSH; SSL; TLSv1.2; TCP; UDP; Unicast; UPnP
Client	CASE Station (Win,MACOS)
Mobile Client	CASE Connect (Android, iOS)
System Compatibility	ONVIF(Profile S/T/G); RTSP; CGI; SDK; Milestone; P2P
Web	IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Recording Playback	
Multi-channel Playback	5
Record Mode	Manual Recording; Alarm Recording; Schedule Recording
Storage Method	Local HDD

Backup	USB storage device, Network
Playback Function	Play/Pause/Stop/Reverse/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom/Instant Replay
Dual Stream Record	Yes
Alarm	
General Alarm	Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR)
Exceptions Alarm	Video Loss; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; PoE Overload; Voltage Alarm(IPC); RTC Failure; IP Address Conflict; MAC Address Conflict; Disk Overload
Intelligent Analytics	
AI by Camera	Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Running; Parking; Heatmap; Loitering; Video Abnormal; Audio Abnormal; On Duty Detection; Crowd Detection; Safety Helmet Detection; Electric Bicycle Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Alarm; Face Recognition; Human/Vehicle Classification
AI by NVR	Face Detection; Face Recognition; Tripwire; Double Tripwire; Perimeter; Smart Motion Detection
VCA Search	Early-warning Search; Behavior Search; Safety Helmet Search; Thermographic Retrieval; Duty Search; Electric Bicycle Retrieval; Face Search(Search by face attributes); Smart Motion Detection
VCA Report	Heatmap; People Counting; Face Statistics
Face Detection	
Face Attributes Detection	Gender; Age; Glasses; Face Mask
Face Attributes Search	Gender; Age; Glasses; Face Mask; Body Temp.
Face Recognition	
Face Recognition Performance	1-ch(Max.5MP) video streams or 4-ch image streams
Face Picture Library	Up to 10 face libraries, up to 20000 base images
Face Picture Comparison	Yes
AI Performance(AI by NVR)	
Perimeter/Tripwire Performance	4-ch
Smart Motion Dection Performance	4-ch
Storage	
HDD Capacity	Up to 10 TB capacity for each HDD
Disk Group	1 Disk Group
External Port	
USB	2×USB2.0
HDMI	1×HDMI(supports up to 4K resolution output)
VGA	1×VGA
Network Interface	1×RJ-45, 10/100 Mbps self-adaptive Ethernet port
SATA	1×SATA interface
Alarm I/O	4-ch, TTL inputs, 3mA, 3.3VDC; 1-ch, relay output, 1A, 24VDC
PoE	

PoE Interface	4×RJ45, 10/100 Mbps self-adaptive Ethernet port
PoE Budget	45W
Power per PoE Port	30W
Standard	IEEE 802.3 af/at
General	
UI Language	English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian; Indonesian; Greek
Power Supply	DC48V
Power Consumption	<10W(without HDD&without PoE)
NetWeight	0.9kg
GrossWeight	1.7kg
Boundary Dimensions	255(L)238(W)45(H)mm
Package Dimensions	385(L)80(W)280(H)mm
Operating Temperature	-10°C~+55°C (+14°F~+131°F)
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20°C~+60°C (-4°F~+140°F)
Package Kit	Network Video Recorder*1; Screw Pack*1; Mouse*1; Power Adapter(DC48V 1.35A)*1; European Standard Power Cord*1; Instructions*1; Parts List*1

DIMENSIONS (Unit: mm)



Physical Interfaces

