

NVR1B04HC-4P/E

4 Channel Cooper 1U 4PoE H.265 Network Video Recorder



- H.265+/H.264+ codec decoding
- Max 40Mbps/20Mbps incoming/outgoing bandwidth
- Max 4 channel IP camera inputs
- Up to 6MP resolution preview&playback
- Up to 1ch@6MP/4ch@1080P 25fps decoding
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 4PoE ports



System Overview

EZ-IP is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

EZ-IP is fully in line with Dahua's quality. Stable and reliable components are utilized and Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

Functions

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

DMSS

The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

Technical Specification

System	
Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Audio and Video	
IP Camera Input	4 Channel
Two-way Talk	N/A

Display	
Interface	1 HDMI, 1 VGA
Resolution	1920×1080, 1280×1024, 1280×720
Decoding Capacity	1ch@6MP 30fps, 4ch@1080P 25fps
Multi-screen Display	1/4
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording	
Compression	H.265+/H.264+
Resolution	6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.
Record Rate	40Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule(Regular(Continuous), MD, Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), and Tampering
Alarm input	N/A
Relay Output	N/A

Playback and Backup	
Sync Playback	1/4
Search Mode	Time /Date, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Third-party Support

Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more
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Network	
Interface	1 RJ-45 port (10/100Mbps)
PoE	4 ports(IEEE802.3at/af)
Network Function	HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P
Optical Fiber Interface	N/A
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF ,SDK, CGI Conformant

Storage	
Internal HDD	1 SATA III Port, up to 4TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface	
USB	2 ports (2 Rear USB2.0)
RS232	N/A
RS485	N/A

Electrical	
Power Supply	Single, DC48V/1.25A
Power Consumption	NVR: <3.61W (without HDD)
	PoE: Max 25.5W for single port, 36W in total

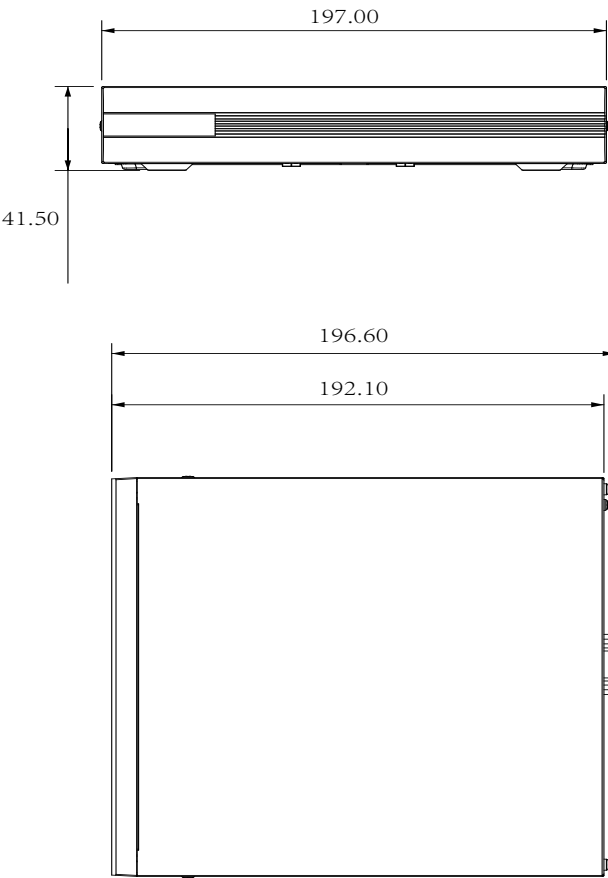
Environmental	
Operating Conditions	-10°C ~ +45°C (+14°F ~ +113°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction	
Dimensions(W×D×H)	Cooper 1U, 197mm×196.6mm×41.5mm (7.76" x 7.74" x 1.63")
Net Weight	1.46 kg (3.22 lb) (without HDD)
Gross Weight	1.96kg(4.32 lb)(without HDD)

Certifications	
CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014

Ordering Information		
Type	Part Number	Description
4 Channel NVR	NVR1B04HC-4P/E	4 Channel Cooper 1U 4PoE H.265 Network Video Recorder
Accessories	N/A	N/A

Dimensions (mm)



Rear Panel

