DHI-NVR4B04/4B08HC/E

4/8 Channel Cooper 1U H.265 Network Video Recorder

· H.265+/H.264+ codec decoding
· Max 40Mbps/20Mpbs incoming/outgoing bandwidth
· Max 4/8 channel IP camera inputs
· Up to 6MP resolution preview&playback
· Up to 1ch@6MP/4ch@1080P 25fps decoding
· HDMI/VGA simultaneous video output

System Overview

ALPS 2.0 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.

ALPS 2.0 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.

Onvif

Technical Specification

System

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Audio and Video

IP Camera Input	4/8 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	4CH: 1/4
	8CH: 1/4/8/9
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	4CH: 1/4
	8CH: 1/4/9
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

Network

Interface	1 RJ-45 port (10/100Mbps)
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, DC12V/1.5A
Power Consumption	<2.57W (without HDD)

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

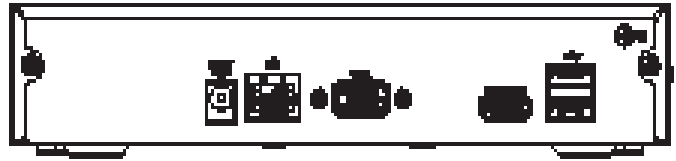|	
Dimensions(W×D×H)	Cooper 1U, 197mm×196.6mm×41.5mm (7.76" x 7.74" x 1.63")
Net Weight	1.15 kg (2.54 lb) (without HDD)
Gross Weight	1.65kg(3.64 lb)(without HDD)

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	DHI-NVR4B04HC/E	4 Channel Cooper 1U H.265 Network Video Recorder
8 Channel NVR	DHI-NVR4B08HC/E	8 Channel Cooper 1U H.265 Network Video Recorder
Accessories	N/A	N/A

Rear Panel

Dimensions (mm)