

# NVR1B08HS-8P

8 Channel Compact 1U H.265 8PoE Network Video Recorder

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- · H.265+/H.264+ codec decoding
- Max 80Mbps incoming bandwidth
- · Max 8 channel IP camera inputs
- Up to 8MP resolution preview&playback
- Up to 1ch@8MP/4ch@1080P decoding
  HDMI/VGA simultaneous video output
- TIBITITY VOICE THAT COME VIGEO
- · Support IPC UPnP, 8PoE 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**

4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

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.

ANR (Automatic Network Replenishment 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.



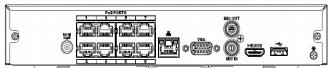
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System	Technical Specification		Third-party Support			
Description	System					
Audio and Video   Interface   1.R-45 port  10/100/1000Mbps)   Audio and Video   Interface   1.R-45 port  10/100/1000Mbps   Audio and Video   Interface   1.Independent  1000Mbps   Audio and Video   Interface   1.Independent  1000Mbps   Audio and Video   Audio and Video   Interface   1.Independent  1000Mbps   Audio   Interface   Index   Ind	Main Processor	Dual-core embedded processor	Third-party Support			
Ethernet Port   Lindependent 1000Mbps Ethernet Port	Operating System	Embedded LINUX	Network	Network		
PoE	Audio and Video		Interface	1 RJ-45 port (10/100/1000Mbps)		
Display	IP Camera Input	8 Channel	Ethernet Port	1 Independent 1000Mbps Ethernet Port		
Interface	Two-way Talk	1 Channel Input, 1 Channel Output, RCA	PoE	8 ports (IEEE802.3at/af)		
HDMI 3840 x316,13920x1080,1280x1024, 1280x720,1024x768	Display		Network Function	Network Function DHCP, DNS, IP Filter, DDNS, IP Search(Support Da		
Nav. User Access   128 users	Interface	1 HDMI, 1 VGA	Optical Fiber Interface	N/A		
Decoding Capacity  1ch@SMP 30fps, 4ch@1080P 30fps  Multi-screen Display  1/4/8/9  Storage  Storage  Internal HDD  1 SATA III Port, up to 6TB capacity for each HDD Mode  Single  EACH MDD Mode  Single  EATA  N/A  Resolution  Record Rate  80Mbps  Bit Rate  16kbps ~ 20Mbps Per Channel  Record Interval  Post-record: 1° 30 sec, Post-record: 1° 30	Resolution		Max. User Access	128 users		
Multi-screen Display  1/4/8/9  Compression  Recording  Compression  H.265+/H.264+  Resolution  8MP/6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.  Record Rate  80Mbps  Bit Rate  16Kbps ~ 20Mbps Per Channel  Record Interval  Post-record: 10^300 sec. Post-record: 100 sec. Pos		VGA: 1920×1080, 1280×1024, 1280×720, 1024×768	Smart Phone	iPhone, iPad, Android		
OSD  Camera title, Time, Camera lock, Motion detection, Recording  Recording  Compression  H.265+/H.264+  Resolution  BMP/GMP/SMP/AMP/3MP/1080P/ 720P/ D1&etc.  Record Rate  B0Mbps  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  Relay Output  N/A  Internal HDD  1 SATA III Port, up to 6TB capacity for each HDD  Auxiliary Interface  USB  2 ports (1 Rear USB2.0, 1 Front USB2.0)  RS232  N/A  RS485  N/A  Electrical  Power Supply  Single, DC4BV/2A  NVR: -6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH  Construction  Dimensions(W×D×H)  Compact 1U, 260mmx229.3mmx47.6mm (10.2° x 9.03° x 1.9°)	Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Interoperability	ONVIF ,SDK, CGI Conformant		
Recording  Compression H.265+/H.264+  Resolution 8MP/6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.  Record Rate 80Mbps  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  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  1/4/9   HDD Mode Single  Single  Single DC48V/2A  Auxiliary Interface  USB 2 ports (1 Rear USB2.0, 1 Front USB2.0)  ResATA N/A  Auxiliary Interface  USB 2 ports (1 Rear USB2.0, 1 Front USB2.0)  FRS232 N/A  RES232 N/A  Electrical  Power Supply Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Environmental  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Multi-screen Display	1/4/8/9	Storage			
Recording  Compression  H.265+/H.264+  Resolution  Resolution  Remain Input  Record Rate  Record Mode  Record Mode  Record Mode  Manual, Schedule(Regular(Continuous), MD, Stop Power Consumption  Record Interval  Power Consumption  Record Inger Events  Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips  Alarm input  N/A  Relay Output  N/A  Relay Output  N/A  Relay Output  N/A  Resolution  Resolutions  Resolution  R	OSD		Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD		
Resolution  Resolution  Resolution  Record Rate  80Mbps  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 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  Auxiliary Interface  USB  2 ports (1 Rear USB2.0, 1 Front USB2.0)  RS232  N/A  RS485  N/A  Electrical  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH  Construction  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2° × 9.03° × 1.9°)			HDD Mode	Single		
Record Rate  80Mbps  Record Rate  80Mbps  Record Mode  Record Mode  Record Interval  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  Supply  Vis B  2 ports (1 Rear USB2.0, 1 Front USB2.0)  Re232  N/A  RS232  RS485  N/A  RS485  N/A  Electrical  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10^*C^* +55^*C (+14^*F^* +131^*F), 86^* 106kpa  Storage Conditions  Compact 1U, 260mm×229.3mm×47.6mm [10.2* x 9.03* x 1.9*]	Compression	H.265+/H.264+	eSATA	N/A		
Record Rate  Bit Rate  16Kbps ~ 20Mbps Per Channel  Record Mode  Manual, Schedule(Regular(Continuous), MD, Stop  Record Interval  Post-record: 10~300 sec  Post-record: 10~300 sec  Power Supply  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  Relay Output  N/A  Playback and Backup  RS232  N/A  RS485  N/A  RS485  N/A  Electrical  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Power Consumption  Poe: Max 25.5w for single port, 80w in total  Construction  Storage Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa  Construction  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Resolution	8MP/6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.	Auxiliary Interface	liary Interface		
Bit Rate 16Kbps ~ 20Mbps Per Channel RS485 N/A  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  Power Supply Single, DC48V/2A  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 1/4/9  RS232 N/A  RS485 N/A  RS485 N/A  RS485 N/A  Power Supply Single, DC48V/2A  Power Supply Single, DC48V/2A	Record Rate	80Mhns	USB	2 ports (1 Rear USB2.0, 1 Front USB2.0)		
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  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Video Detection  Motion Detection, MD Zones: 396 (22 × 18), and Tampering  Alarm input  N/A  Relay Output  N/A  Relay Output  N/A  Relay Output  N/A  Relay Output  N/A  Playback and Backup  Sync Playback  1/4/9			RS232	N/A		
Record Interval  Power Supply  Single, DC48V/2A  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  Poe: Max 25.5w for single port, 80w in total  Power Supply  Figure 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  1/4/9   Figure Events  Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips  Power Consumption  Figure Consumption  Poe: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10°C~+55°C (+14°F~+131°F), 86~106kpa  Storage Conditions  -20°C~+70°C (-4°F~+158°F), 0~90% RH  Construction  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")			RS485 N/A			
Post-record: 10~300 sec  Power Supply  Single, DC48V/2A  NVR: <6W (without HDD)  PoE: Max 25.5w for single port, 80w in total  Video Detection  Motion Detection, MD Zones: 396 (22 × 18), and Tampering  Alarm input  N/A  Relay Output  N/A  Playback and Backup  Sync Playback  1/4/9  Power Consumption  Power Consumption  Power Consumption  Poe: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH  Construction  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Record Mode		Electrical	trical		
Trigger Events  Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips  Power Consumption  PoE: Max 25.5w for single port, 80w in total  Environmental  Alarm input  N/A  Relay Output  N/A  Playback and Backup  Sync Playback  1/4/9  Power Consumption  Power Consumption  Poe: Max 25.5w for single port, 80w in total  Environmental  Operating Conditions  -10°C~+55°C (+14°F~+131°F), 86~106kpa  Storage Conditions  -20°C~+70°C (-4°F~+158°F), 0~90% RH  Construction  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Record Interval		Power Supply	ower Supply Single, DC48V/2A		
Trigger Events  Screen Tips  Notion Detection, MD Zones: 396 (22 × 18), and Tampering  Motion Detection, MD Zones: 396 (22 × 18), and Tampering  N/A  Poperating Conditions  -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH  Construction  Playback and Backup  Sync Playback  1/4/9	Video Detection and Alarm			NVR: <6W (without HDD)		
Alarm input  N/A  Operating Conditions  -10°C~+55°C (+14°F~+131°F), 86~106kpa  Storage Conditions  -20°C~+70°C (-4°F~+158°F), 0~90% RH  Construction  Playback and Backup  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Trigger Events		Power Consumption	PoE: Max 25.5w for single port, 80w in total		
Relay Output  N/A  Storage Conditions  -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH  Construction  Playback and Backup  Dimensions(W×D×H)  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Video Detection		Environmental			
Relay Output  N/A  Construction  Playback and Backup  Dimensions(W×D×H)  Sync Playback  1/4/9  Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")	Alarm input	N/A	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa		
Playback and Backup         Dimensions(W×D×H)         Compact 1U, 260mm×229.3mm×47.6mm (10.2" x 9.03" x 1.9")           Sync Playback         1/4/9	Relay Output	N/A	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH		
Dimensions(W×D×H) Compact 10, 260min(225.5min(x47.6min) (10.2" x 9.03" x 1.9")  Sync Playback 1/4/9	Playback and Backup		Construction			
		1///0	Dimensions(W×D×H)	·		
	Sylic Flayback		Net Weight	0.93kg (2.05 lb) (without HDD)		
Search Mode Gross Weight 2.07kg(4.56 lb)(without HDD)	Search Mode	Time /Date, MD and Exact Search (accurate to second)	Gross Weight	2.07kg(4.56 lb)(without HDD)		
Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Playback Function  Play, Pause, Stop, Rewind, Fast play, Slow Play, Next Playback Function  File, Previous File, Next Camera, Previous Camera,	Playback Function		Certifications			
			CE	EN55032, EN55024, EN50130-4, EN60950-1		
Backup Mode USB Device/Network FCC Part 15 Subpart B, ANSI C63.4-2014	Backup Mode	USB Device/Network	FCC	Part 15 Subpart B, ANSI C63.4-2014		

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Ordering Information						
Туре	Part Number	Description				
8 Channel NVR	NVR1B08HS-8P	8 Channel Compact 1U H.265 8PoE Network Video Recorder				
Accessories	N/A	N/A				

Rear Panel					
2010/2012/01/27/01	O (***13515) (***1355)	and re-trained man	N=130.103	150 (100 10 5 150 )	 2010-0-1281



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