

# GS-N464-S8 Specification

## 64CH H.265 4K 8HDD NVR



### Product technical features

- 64ch full real-time network video access, 64ch 4K access, 2U chassis NVR
- H.265 decoding, embedded Linux operating system
- Support synchronous recording, remote monitoring, and backup
- Support dual HDMI hetero-source output and 4K high-definition preview
- Support electronic amplification of preview images and playback images
- Standard ONVIF, RTSP, GB28181 protocols
- Support external alarm, dual network ports, two-way voice intercom, alarm snapshot, and alarm email sending functions
- Support DDNS, EMAIL, UPNP, NTP, P2P and other functions

- Support WEB, mobile phone monitoring, client
- Support two storage modes: disk group quota and disk group, which can allocate different recording storage capacities to different channels.
- Support IPC centralized management, including IPC parameter configuration, information import and export, real-time information acquisition and other functions
- Dual Gigabit network cards, supporting dual network IP settings and other applications
- Support RAID0, RAID1, RAID5, RAID6 and RAID10, global hot backup
- Support channel grouping and preview tour
- Supports network detection (network traffic monitoring, network packet capture, network smoothness) and other functions
- Support up to 16ch 1080P video synchronous playback and multi-channel synchronous reverse playback
- Supports instant playback function,
- Brand new UI operation interface, supports one-click to start recording function
- Support N+1 hot backup and IP filtering
- Support EasyVMS computer client software for remote monitoring and video playback
- Support P6SLite mobile phone software for remote monitoring and video playback

# Product Parameters

Video parameters	
Network video input	64ch 4K
Network access bandwidth	512Mbps
video compression	H.265
video output	1 VGA output (1920×1080@60HZ, 1280×1024@60HZ) HD HDMI output (3840×2160@60HZ, 3840×2160@30HZ, 1920×1080@60HZ) HDMI 1 output (3840×2160@60HZ, 3840×2160@30HZ, 1920×1080@60HZ)
display mode	Homologous output mode, heterogeneous output mode
system mode	64 numbers + 36 previews + 16 playbacks 64 numbers + 64 previews + 16 playbacks
Video bit rate	16-16000Kbps
decoding ability	8ch 4K, 8ch 5MP, 16ch 4MP, 32ch 1080P, 64ch D1
Video resolution	4K/5MP/4MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Screen split	1/4/6/8/9/16/25/36/64 screen display
Capture mode	Supports scheduled snapshots, manual snapshots, JPEG format
Motion Detection	Supported, 396 (22*18) detection areas can be set on each screen, and multi-level sensitivity can be set
privacy masking	Supports 4 regions
Audio	
audio compression	G.711u
audio input	1 channel, RCA interface (IPC composite audio input)
Audio output	1 channel, RCA interface
Voice intercom input	Two-way intercom, RCA interface
Recording and playback	
Video frame rate	1-30fps
Video recording method	Manual/scheduled recording and alarm recording/scheduled recording/alarm recording/stop recording
Playback capability	Supports 8-channel 4K/5MP/4MP; 9-channel 3MP; 16-channel 1080P video simultaneous playback
playback mode	Instant playback, local recording, playback capture, external file playback
Video query	Time, calendar, channel retrieval, event retrieval (regular recording, motion detection recording, alarm recording, intelligent detection recording)
Playback operation	Play start time, play/pause, stop, forward play, reverse play, single frame, jump forward 30 seconds, jump back 30 seconds, fast play (1-16X), slow play (1-1/16X), 1/4/9/16 Split screen, previous page, next page, backup, screenshot, show and hide progress bar, full screen, scroll wheel to enlarge time bar for precise playback
Storage and backup	
Storage interface	8pcs SATA, 1pc E-SATA
Maximum hard drive capacity	Maximum single hard drive is 16TB

disk grouping	Different channel recordings can be set to different disk slots
Disk quota	Different channels can be allocated different recording storage capacities
Video storage path	Local, network, NAS, IPSAN
array type	Raid0、Raid1、Raid5、Raid6、Raid10、
Hot standby management	Normal mode, hot standby mode (N+1 hot standby)
Backup method	USB mobile hard disk, U disk, network backup
Intelligent supplementary recording (ANR) when disconnected	Support IPC (with TF card) network disconnection re-recording
Function	
Network protocol	TCP/IP,HTTP,HTTPS,DDNS,SMTP(SSL),DHCP,PPPoE,UPnP,NTP,P2P
Interface Protocol	ONVIF、RTSP、GB28181
protocol port	ONVIF/RTSP/HTTP/HTTPS/RTMP port customization
Phone monitoring	Supports mobile phone monitoring on Apple and Android systems
Browser support	Support IE、Chrome、Firefox、Safari
Display function	Channel shortcut keys: modify channels, 3D positioning, display AI intelligent rules and results, screenshots, voice intercom, channel audio, manual recording, instant playback, video parameters
IPC time synchronization	Manual, automatic, scheduled, IPC timing adjustment when disconnected and reconnected
Alarm linkage	Send email, sound warning (buzzer), on-display warning, upload center, video, screenshot, preview, PTZ
Network detection	Traffic monitoring, network packet capture, network testing
User Management	User addition/deletion/modification, permission management
Manage IPC	Modify IPC parameters
external interface	
Network Interface	2*RJ45 100M/1000M adaptive Ethernet port
Alarm input	16 channel (optional)
Alarm output	8 channel (optional)
RS-485	1 channel
USB interface	1 USB2.0 on the front panel, 1 USB2.0 on the rear panel, 1 USB3.0
General specifications	
power supply	AC100 ~ 240V, 50Hz ~ 60Hz (power plug specifications are optional)
Power consumption	≤35W (without hard drive)
Operating temperature/humidity	-10°C ~ 55°C/10% ~ 90%
Dimensions(mm)	L440*W430*H90mm
Weight/unit (excluding hard	7200g

drive)

## Interface definition:



1	AC Power interface	2	RS-485	3	USB3.0 interface
4	2*HDMI output interface	5	VGA output interface	6	Audio input and output interface
7	2*RJ45 interface	8	E-SATA		

## Notice:

The content in the manual only provides guidance for users, our company will update the content in the instructions depending on the product function enhancing or changing, and we will improve or update the software functions described in the manual. The updated content will be explained in new edition manual, without notice.