

ST-NVR64

64 Channel H.265 Network Video Recorder



The UltimatePro series of high performance large data storage Network Video Recorders with RAID (Redundant Array of Independent Disks), ideal for any environment where server level performance, advanced features and data retention are critical and data losses due to hard drive failure is simply unacceptable. Model ST-NVR64 supports up to 64 cameras, advanced analytics, real-time live view up to 4K resolution, and video playback of up to 16 channels simultaneously.

Enterprise Server Level Performance

- Unlike standard performance processors in most NVR's, the UltimatePro NVR has a high grade processor for rendering a large number of video feeds simultaneously.

High Camera Volume

- Supports up to 64 cameras with 312 Mbps incoming bandwidth, ideal for hotels, casinos, airports, malls, and other commercial applications.

Video Content Analytics

- Line crossing, face detection, object placement/removal, and more provide configurable intelligent recording options.

System Stability

- Hot Swappable HDD design provides convenient HDD installation and maintenance, Dual-OS (Operating System) ensures stable operation in the event of OS failure, ANR (Automatic Network Replenishment) automatically restores video data from IP Cameras storage following temporary interruption of connectivity.

Massive Storage Capacity

- Supports HDD total up to 80 TB, ideal for applications requiring 24/7 recording schedules or extended video retention times, such as schools, banks, and hospitals.

Video Output

- Dual HDMI output
- HDMI output at up to 4K (3840 x 2160) resolution

Network and Ethernet Access

- 2 10/100/1000 Mbps RJ45 self-adaptive Ethernet network interfaces

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Dimensions and Specifications

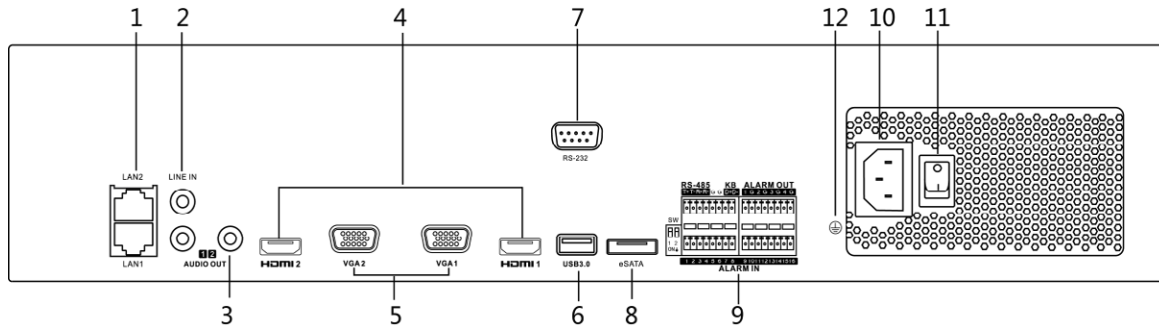


Diagram Reference

1	LAN1/LAN2 Interface	5	VGA1/VGA2 Interface	9	Alarm In/Alarm Out
2	Line In	6	USB 3.0 Interface	10	100 to 240 VAC power supply
3	Audio Out	7	RS-232 Interface	11	Power Switch
4	HDMI1/HDMI2 Interface	8	eSATA Interface	12	Ground

Video/Audio Input

IP video input	64 Channels, up to 12MP resolution
Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)

External Interface

Network interface	2 × RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Serial interface	RS-232; RS-485; Keyboard
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Alarm in/out	16/4

Network Management

Remote connections	128
Incoming Bandwidth	320 Mbps (or 200 Mbps when RAID is enabled)
Outgoing Bandwidth	256 Mbps (or 200 Mbps when RAID is enabled)
Network protocols	TCP/IP, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, Onvif

Hard Disk

SATA	8 SATA interfaces
eSATA	1 eSATA interface
Capacity	Up to 10TB capacity for each HDD
Array type	RAID0, RAID1, RAID5, RAID6, RAID10
Number of arrays	4

Video/Audio Output

HDMI1 output resolution	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA1 output resolution	2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA2 /HDMI2 output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	2-ch, RCA (2.0Vp-p, 1 KΩ)
Decoding format	H.265/H.265+/H.264/H.264+/MPEG4
Live view/Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16 Ch - 2ch @ 12 MP (20fps) / 4ch @ 8 MP (25fps) / 8ch @ 4MP (30fps) / 16ch @ 1080p (30fps)

General

Power supply	100 to 240 VAC, 50 to 60 Hz
Max power	200 W
Consumption (without HDD)	≤30 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working humidity	10 to 90 %
Dimensions (W × D × H)	445 × 470 × 90 mm (17.5" × 18.5" × 3.5")
Weight (without HDD)	≤ 10 kg (22 lbs)