

## HNRA10 Series NVR



### Features and Functions

#### Professional and Reliable

- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected
- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable
- Configurable normal or hot spare working mode to constitute an N+1 hot spare system

#### HD Input

- H.265/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 64 IP cameras can be connected
- Recording at up to 12 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution

#### HD Output

- HDMI1/VGA1 and HDMI2/VGA2 outputs provided
- HDMI1 Video output at up to 4K (3840 × 2160) resolution

#### HD Storage

- Up to 8 SATA interfaces and 1 eSATA interface connectable for recording and backup
- Storage space effectively saved by 50% to 70% with the use of H.264+ decoding format

#### HD Transmission

- 2 self-adaptive 10M/100M/1000M network interfaces, and two working modes are configurable: multi-address and network fault tolerance

#### Various Applications

Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.

Connectable to smart IP cameras and the recording, playing back, and backing up of VCA alarms can be realized  
VCA detection alarm is supported

Instant playback for assigned channel during multi-channel display mode

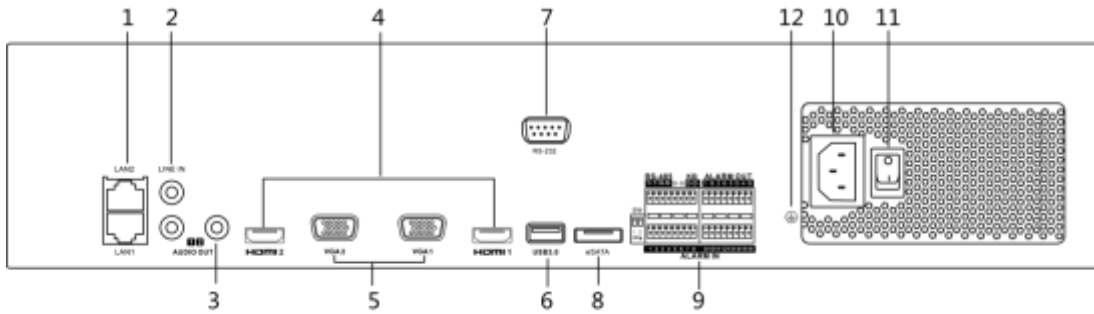
Smart search for the selected area in the video; and smart playback to improve the playback efficiency

Supports HDD quota and group modes; different capacity can be assigned to different channels

# Specifications

Model	HNRA10-32		HNRA10-64	
Video/Audio input	IP video input	32-ch Up to 12 MP resolution	64-ch	
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)		
Network	Incoming bandwidth	320 Mbps, or 200 Mbps (when RAID is enabled)	320 Mbps, or 200 Mbps (when RAID is enabled)	
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)		
	Remote connection	128		
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	VGA1 /HDMI1 output resolution	HDMI1: 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: 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	Decoding format	H.265/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		
	Capability	4-ch @ 8 MP, or 16-ch @ 1080p		
Hard disk	SATA	8 SATA interfaces for 8HDDs		
	eSATA	1 eSATA interface		
	Capacity	Up to 6TB capacity for each HDD		
Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10		
	Number of arrays	4		
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		
General	Power supply	100 to 240 VAC, 50 to 60 Hz		
	Max. Power	200 W		
	Consumption (without hard disk)	≤30 W		
	Working temperature	-10 to +55°C (14 to 131°F)		
	Working humidity	10 to 90 %		
	Chassis	19-inch rack-mounted 2U chassis		
	Dimensions(W × D × H)	445 × 470 × 90 mm (17.5" × 18.5" × 3.5")		
Weight(without hard disk)	≤ 10 kg (22 lb)			

## Physical Interfaces



Index	Description	Index	Description
1	LAN1/LAN2 Interface	7	RS-232 Interface
2	LINE IN	8	eSATA Interface
3	AUDIO OUT	9	Alarm In/Alarm Out
4	HDMI1/HDMI2 Interface	10	100 to 240 VAC power supply
5	VGA1/VGA2 Interface	11	Power Switch
6	USB 3.0 Interface	12	GND

## Available Models

HNRA10-32, HNRA10-64.