HNRT00-128/I24 - HNRT00-256/I24

Features and Functions

Professional and Reliable

- Pluggable HDD design provides a convenient HDD installation and maintenance way; Unique chassis based on patented design ensures environmental friendly and low-noise running.
- Adopts professional embedded hardware and software, and pioneering dual-OS design to ensure the reliability of system running.
- Supports redundant power supply to improve the system stability.
- Adopts ANR technology to enhance the storage reliability when the network disconnected.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID6, and RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.
- Extension board is optional

HD Input

- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO
- Up to 128/256 IP cameras can be connected.
- Supports live view, storage, and playback of the connected camera at up to 12 megapixels resolution.

HD Output

- Simultaneous HDMI1/VGA output as the main output and the HDMI 2 works as the auxiliary output.
- Video outputs at up to 4K (4096x2160) resolution.
- Supports decoding up to 20 channels at 1080p resolution.

HD Storage

- Up to 24 SATA hard disks can be connected, for both recording and backup.

HD Transmission

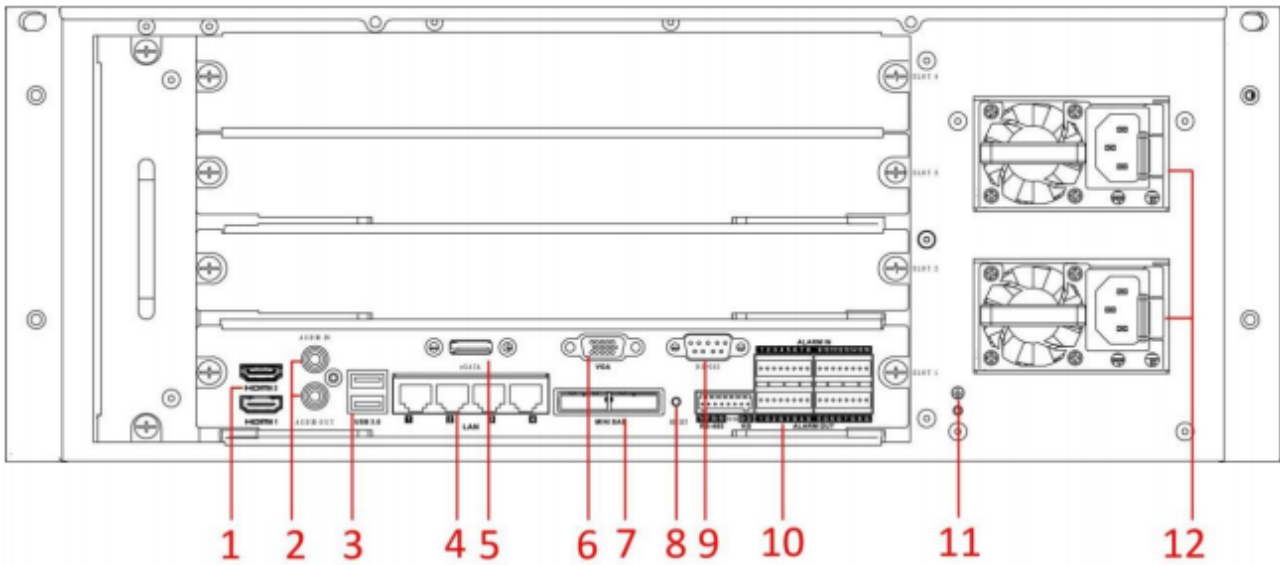- 4 self-adaptive 10M/100M/1000M network interfaces.

Various Applications

- Centralized management of IP cameras is supported, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Perfectview and the recording, playing back, and backing up of VCA alarms can be realized.
- VCA detection alarm is supported.
- VCA search for face detection, behavior analysis, people counting and heat map.
- Supports start record with one key.
- Realizes 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

Video & Audio Input	IP video input	HNRT00-128/I24: 128-ch
		HNRT00-256/I24: 256-ch
	Incoming/outgoing Bandwidth	HNRT00-128/I24: 576 Mbps/512 Mbps
		HNRT00-256/I24: 768 Mbps/768 Mbps
	Incoming/outgoing Bandwidth (RAID mode)	HNRT00-128/I24: 576 Mbps/512 Mbps
		HNRT00-256/I24: 768 Mbps/768 Mbps
	Protocol	Perfect View, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO
Video & Audio Output	HDMI output	Two independent HDMI outputs of 4K resolution. Resolution: 4K (4096 × 2160), 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz
	VGA Output	1-ch. Resolution: 1080p (1920 × 1080)/60Hz, UXGA (1600 × 1200)/60Hz, SXGA (1280 × 1024)/60Hz, 720p (1280 × 720)/60Hz, XGA (1024 × 768)/60Hz
	LCD output (optional)	One 7 inch LCD
	Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Video & Audio decoding	Decoding format	H.265, H.265+, H.264, H.264+,MPEG4, MJPEG
	Video resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Synchronous playback	Up to 16 channels
	Capability	20-ch @ 1080p
HDD	Interface	24 SATA interfaces supporting hot-plug
	Capacity	Up to 8 TB for each HDD
RAID	RAID Type	RAID0, RAID1, RAID5, RAID 6, RAID10, RAID50, RAID60, and JBOD
Network management	Protocol	IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS
	Network interface	4, RJ45 10M/100M/1000M self-adaptive Ethernet interface
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
	Serial port	1 RS-485, Keyboard
	USB interface	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
	Alarm input/output	16/8
	Extension board (optional)	One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs.
	Decoding board	1
General	Power supply	100 to 240 VAC, 550W
	Fan	Redundant dual ball bearing fan; Speed adjustable; Hot-plug
	Consumption (no HDD)	≤ 140W
	Working temperature	0 °C to + 50 °C (32 °F to 122 °F)
	Working humidity	10% to 90%
	Chassis	4U
	Dimensions (WxDxH)	447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)
	Weight (no HDD)	≤ 23 kg (50.7 lb)

Physical Interfaces

No.	Name	No.	Name
1	HDMI 1/2 Video Output	8	Reset Button
2	Audio Input	9	RS-232 Interface
	Audio Output	10	Alarm Input
3	USB 3.0		Alarm Output
4	LAN		RS-485 Interface
5	eSATA Interface		Keyboard Interface
6	VGA Video Output	11	Ground
7	Mini SAS Interface	12	Power Supplies

Available Models

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