NRT10-128/I24
128CH NVR with 24 HDD Bay

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.

- Adopt professional embedded hardware and software, and pioneering dual-OS design to ensure the reliability of system runing.

- Supports redundant power supply to improve the system stability.

- Adopt 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, Cancon, ONVIF, PANASONIC, Pelco, PSIA, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.

- Up to 128/256 IP Cameras cna be connected.

- Support live view, storage, and playback of the connected camera at up to 12MP resolution.

HD Output

- Simultsnrous HDMI 1/VGA output as the main output and the HDMI 2 works as the auxiliary output.

- Video outputs at up to 4K (4096x2160) resolution.

- Support 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

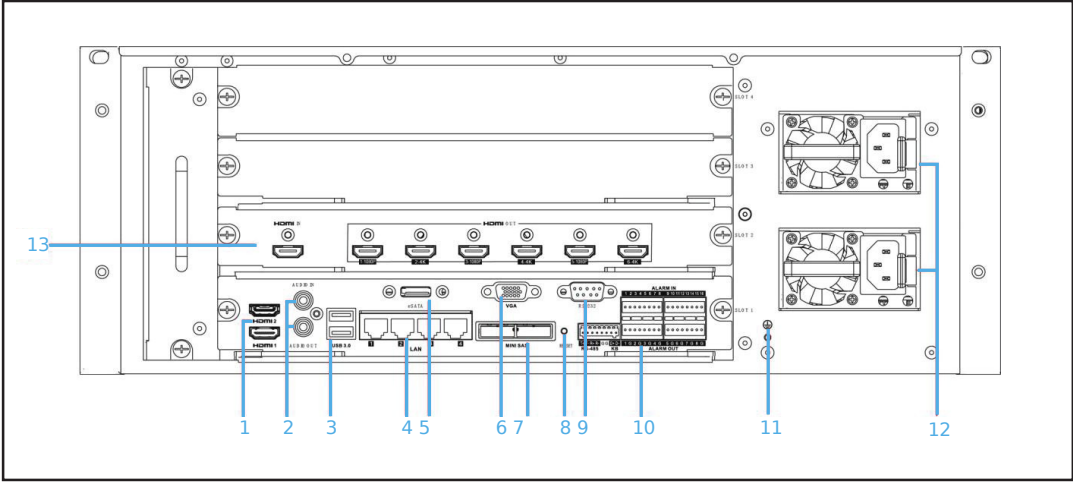• 4 self-adaptive 10M/100M/1000M network interfaces.

Various Applications

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

• Connetable to smart IP cameras 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 starting record with one key.

• Realize 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 effciency.

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

Specifications

NRT10-128/i24		
Video/Audio Input	IP Video Input	128-ch
	Incoming/Outgoing Bandwitdh	576 Mbps/512 Mbps
	Incoming/Outgoing Bandwitdh (RAID mode)	576 Mbps/512 Mbps
	Protocol	HIKVISION, ACTi, ARECONT, AXIS, BOSCH, HUNT, ONVIF(Version2.5), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO
Video/Audio Output	HDMI Output	Two independent HDMI output of 4K resolution, Resolution: 4K (4096 x 2160), 4K (3840 x2160) / 30Hz,2K (2560 x 1440) / 60Hz,1080P (1920 x 1080) /60Hz, UXGA (1600 x 1200) / 60Hz, SXGA (1280 X 1024) /60Hz, 720P (1280 x 720) / 60Hz, XGA (1024 x 768) /60Hz,
	VGA Output	1-ch. Resolution:1080P (1920 x 1080) /60Hz, UXGA (1600 x 1200) /60Hz, SXGA (1280 x 1024) /60Hz, 720P (1280 x 720) /60Hz, XGA (1024 x 768) / 60Hz,
	LCD Output (Optional)	One 7 inch LCD
	Audio Output	1-ch, RCA (2.0Vp-p,1 K) Ω
Video/Audio Decoding	Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG
	Video Resolution	12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080P/720P/VGA/4CIF/DCIF/2CIF/CIF/CIF/QCIF
	Synchronous Playback	Up to 16 Channels
	Capability	20-ch @ 1080P
HDD	Interface	24 SATA interfaces supporting hot-plug
	Capacity	Up to 10 TB for each HDD
RAID	RAID Type	RAID 0, RAID1, RAID5, RAID6, RAID10
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 (2.0Vp-p, 1Ω)
	Serial Port	1 RS-232, 1 RS-485, Keyboard
	USB Interface	Front Panel: 2 x USB 2.0 in; Rear Panel: 2 x 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.

General	Power Supply	100 to 240 VAC, 550W
	Fan	Redundant dull ball bearing fan; Speed adjustable; Hot-plug
	Consumption	≤ 140W
	Working Temperature	0 °C to + 50 °C (32 °F to 122 °F)
	Working Humidity	10% to 90%
	Chassis	4U
	Dimension	447 × 528 × 172mm (17.6 × 20.8 × 6.8 inch)
	Weight	≤ 23 kg (50.7 lb)

Physical Interfaces

No.	Name	No.	Name
1	HDMI 1/2 Video Output	9	RS-232 Interface
2	Audio Input	10	Alarm Input
	Audio Output		Alarm Output
3	USB 3.0		RS-485 Interface
4	LAN		Keyboard Interface
5	eSATA Interface	11	Ground
6	VGA Video Output	12	Power Supplies
7	Mini SAS Interface	13	Decoding Board
8	Reset Bu�on		