



PNRA10 Series



Features and Functions

Professional and Reliable

- New logical and visualized GUI design
- 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

Video Input and Transmission

- Up to 64-ch 12 MP IP cameras can be connected
- Connectable to the third-party network cameras

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel recording at up to 12MP resolution

HD Video Output

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

Storage and Playback

- Up to 8 SATA interfaces and 1 eSATA interface for HDD connection
- 10TB capacity for each HDD
- Smart search for efficient playback
- 8/16-ch synchronous playback at up to 1080p resolution
- Normal/Important/Custom video playback
- Important files management
- HDD health monitoring

Smart &POS Function

- Supports multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports VCA search for fire/ship/temperature/temperature difference detection triggered video files
- POS information overlay on live view and playback
- POS triggered recording and alarm

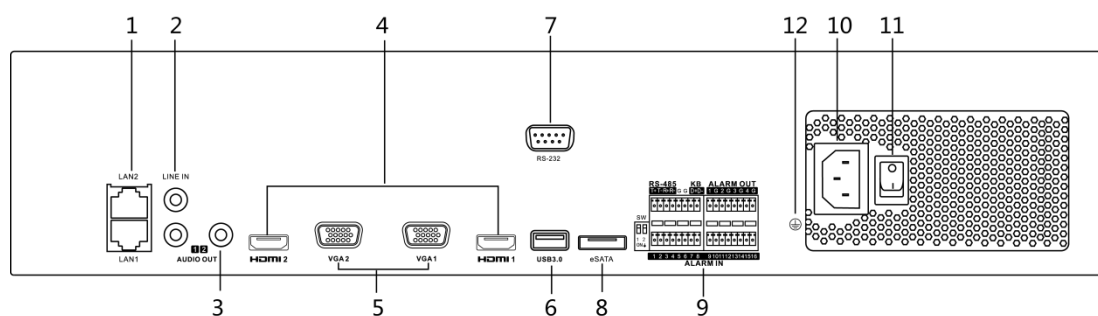
Network & Ethernet Access

- Hik-Connect for easy network management
- 2 Gigabit Ethernet network interfaces

Specifications

Model				PNRA10-32	PNRA10-64
Video/Audio input	IP video input			32-ch	64-ch
		Up to 12 MP resolution			
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)			
Network	Incoming bandwidth			320 Mbps	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			
	CVBS output (Optional)	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480			
	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.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		
	Capability	2-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)			
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS			
Hard disk	SATA	8 SATA interfaces			
	eSATA	1 eSATA interface			
	Capacity	Up to 10TB 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 ^o C (+14 to +131 ^o 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