



HNRA10-32/S Network Video Recorder



Features and Functions

Human Body Detection

- Deep learning-based analysis: re-recognition of the human body target in behavior detection to filter false alarm

Video Input and Transmission

- Up to 32-ch IP cameras can be connected
- Connectable to the third-party network cameras

HD Video Output and Decoding

- H.265/H.265+/H.264/H.264+/MPEG4 self-adaptive
- Up to 8-ch decoding at 1080p resolution
- HDMI1/VGA1 and HDMI2/VGA2 simultaneous outputs provided
- HDMI1 output at up to 4K (4096 x 2160) resolution

Storage and Playback

- Full channel recording at up to 12 MP resolution
- Up to 8 TB capacity for each HDD supported
- HDD hot swap with RAID0, RAID1, RAID5, RAID6 and RAID10 storage scheme configurable
- 8-ch synchronous playback at 1080p resolution

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

- ANR technology to enhance the storage reliability when the network is disconnected
- Configurable normal or hot spare working mode to constitute an N+1 hot spare system

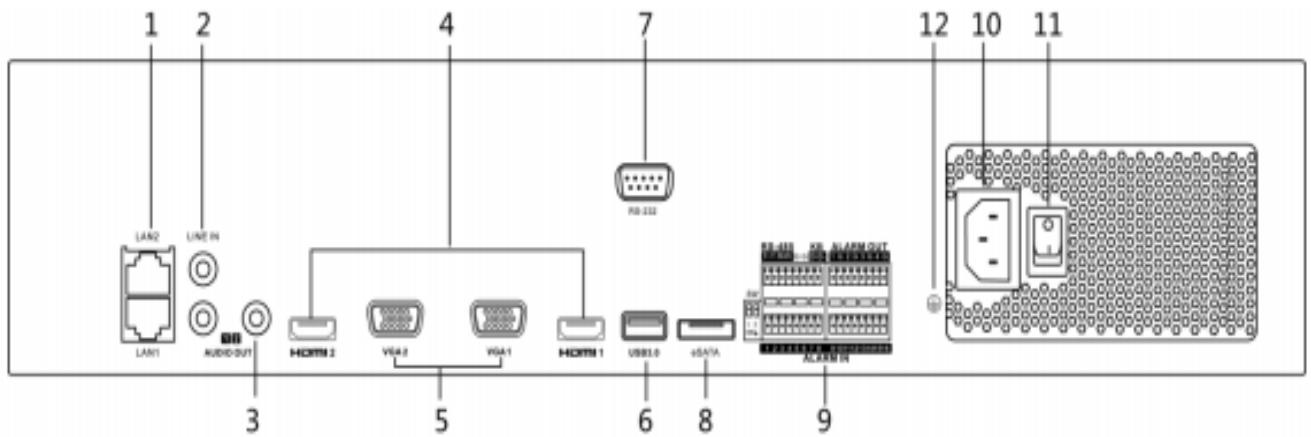
Network & Ethernet Access

- Cloud P2P for easy network management
- 2 Gigabit Ethernet network interface

Specifications

Human Body Detection and Analysis	False alarm filtering	False alarm filtering for up to 16-ch behavior (line crossing, intrusion, region entrance and region exiting) detection
	Human body detection	Re-recognition of up to 16-ch human body pictures
	Human body picture library	Picture search by features, and picture comparison by similarity
Video/Audio input	IP video input	32-ch
	Incoming bandwidth	320 Mbps, or 200 Mbps (when RAID is enabled)
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)
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	VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	VGA2 /HDMI2 output resolution	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	2-ch, RCA (Linear, 1 kΩ)
Decoding	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4 self-adaptive
	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 Capability	16-ch 2-ch @ 8 MP (30fps) /8-ch @ 1080p (30fps)
	VCA detection	Human body detection, face detection, vehicle detection, line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio loss exception detection, sudden change of sound intensity detection, and defocus detection
VCA search	Human body search, behavior analysis, face detection, fire/ship/temperature/temperature difference detection video files and pictures; people counting and heat map statistics	
Network management	Network protocols	TCP/IP, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
Hard disk	SATA	8 SATA interfaces
	eSATA	1 eSATA interface
	Capacity	Up to 8TB capacity for each HDD
Disk array	Array type	RAID0, RAID1, RAID5, RAID6, RAID10
External interface	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 kΩ)
	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	16
	Alarm out	4 (8 optional)
General	Power supply	100 to 240 VAC, 50 to 60 Hz
	Max. Power	200 W
	Consumption (without hard disk)	≤ 70 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, RS-485, KB
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/S