DS-9864DI-S16 NVR

Features and Functions

Professional and Reliable

- New logical and visualized GUI design.
- 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.
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID 6, and RAID10 storage scheme configurable.
- Either normal or hot spare working mode is configurable to constitute an N+1 hot spare system.

Video Input and Transmission

- Support live view, storage, and playback of the connected camera at up to 12 megapixels resolution.
- H.265+ compression effectively reduces the storage space by up to 75%.
- 4 self-adaptive 10M/100M/1000M network interfaces, 4 optical interfaces 10M/100M/1000M (1.25 Gbps SFP)
- Adopt stream over TLS encryption technology (enhanced SDK service and RTP over HTTPS protocol)
- Connectable to the third-party network cameras like ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, PANASONIC, Pelco, SAMSUNG, SANYO, SONY, Vivotek and ZAVIO.

HD Output

- Simultaneous HDMI 1/VGA output as the main output and the HDMI 2 works as the auxiliary output.
- HDMI and VGA1 simultaneous outputs by default. Asynchronous outputs configurable.
- Video outputs at up to 4K (4096×2160) resolution.
- Supports decoding up to 20 channels at 1080p resolution.

Storage and Playback

- Up to 16 SATA interfaces and 1 eSATA interface provided for HDD connection
- 8 TB capacity for each HDD.
- HDD health monitoring.
- Supports HDD quota and group modes; different capacity can be assigned to different channels.
- Normal/Important/Custom video playback.

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 Hikvision and the recording, playing back, and backing up of VCA alarms can be realized.
- VCA detection alarm is supported.
- VCA search for facial detection, people counting, heat map, etc.
- Supports starting 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.

Specifications

Model		DS-9864DI-S16
Video & Audio input	IP video input	64-ch
	Incoming/outgoing bandwidth	576 Mbps/512 Mbps
	Incoming/outgoing bandwidth (RAID mode)	576 Mbps/400 Mbps
	TLS outgoing bandwidth	128 Mbps, or 64 Mbps (when RAID is enabled)
	Protocol	HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, 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
	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 (for Hikvision IP camera only)
	Video resolution	32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p /VGA/4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 to 4 when ultra HD resolution mode is enabled.
	Synchronous playback	Up to 16 channels
	Capability	1-ch@32 MP (8160 × 3616, 30 fps)/5-ch@8 MP(30 fps)/10-ch@4 MP(30 fps)/20-ch@1080p(30 fps)/40-ch@720p(30 fps) *: The length or width of camera resolution (each track) cannot exceed 4096 pixels.
HDD	Interface	16 SATA interfaces supporting hot-plug
	Capacity	Up to 8 TB for each HDD
	Storage extension	1 × eSATA interface
RAID	RAID Type	RAID0, RAID1, RAID5, RAID 6, and 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, 4, optical interfaces (SFP) 10M/100M/1000M
External interface	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
	Serial port	RS-232; 9 x RS-485; Keyboard
	USB interface	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
	Alarm input/output	48/24
General	Power supply	100 to 240 VAC, 50 to 60Hz, 5 A
	Fan	Redundant dual ball bearing fan; Speed adjustable
	Consumption (without HDD)	≤ 140W
	Working temperature	0 °C to + 50 °C (32 °F to 122 °F)
	Working humidity	10% to 90%
	Dimension (W × D × H)	442 × 494 × 146 mm (17.4 × 19.4 × 5.7 inch)
	Weight (without HDD)	≤ 16 kg (35.3 lb)

Available Models

DS-9864DI-S16

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