

## DS-9000AI-S16-D Series All-in-One Server



### Features and Functions

#### Professional and Reliable

- Integrates with multiple technologies, including encoding and decoding technology, embedded technology, storage technology, network technology, etc.
- Ubuntu Linux is the default operation system. Supports installing Microsoft Window operation system including Windows 7E, Windows 10, and Windows Server 2012 R2.
- Redundant power supply is provided to improve the system stability.
- Adopts ANR technology to enhance the storage reliability when the network disconnected.
- Supports HDD hot swapping with RAID0, RAID1, RAID5, RAID 6, and RAID10 storage scheme configurable.
- Hot spare working mode is provided to constitute an N+1 hot spare system.

#### 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 HD (High-Definition) IP cameras can be connected.
- Supports live view, storage, and playback of the connected camera at up to 12 megapixels resolution.
- Simultaneously previews and plays back image via different HDMI or VGA interfaces.

#### VCA

- Connectable to smart IP camera.
- 14 types of VCA detection: line crossing detection, region entrance detection, region exiting detection, intrusion detection, people gathering detection, fast moving detection, parking detection, unattended baggage detection, object removal detection, audio input exception detection, sudden change of sound detection, defocus detection, and sudden scene change detection.
- Supports searching, playing back, and backing up VCA alarms.

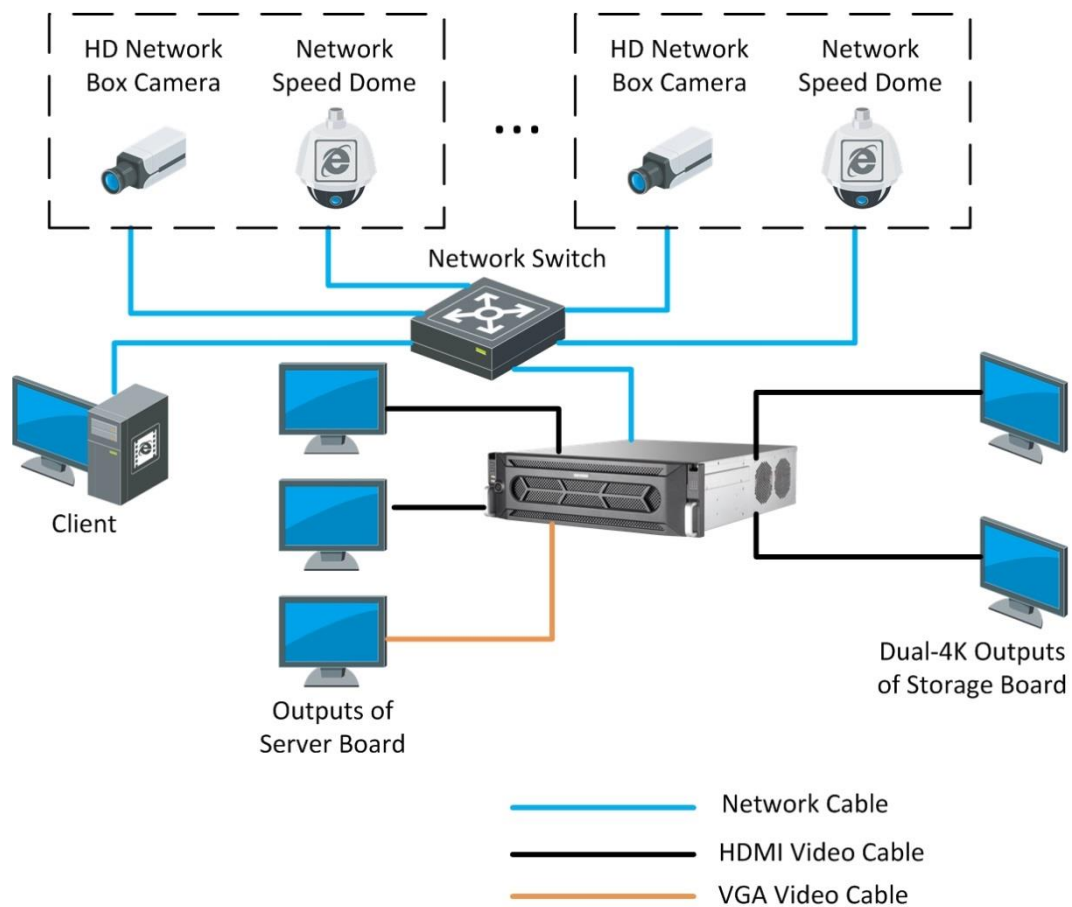


## Specifications

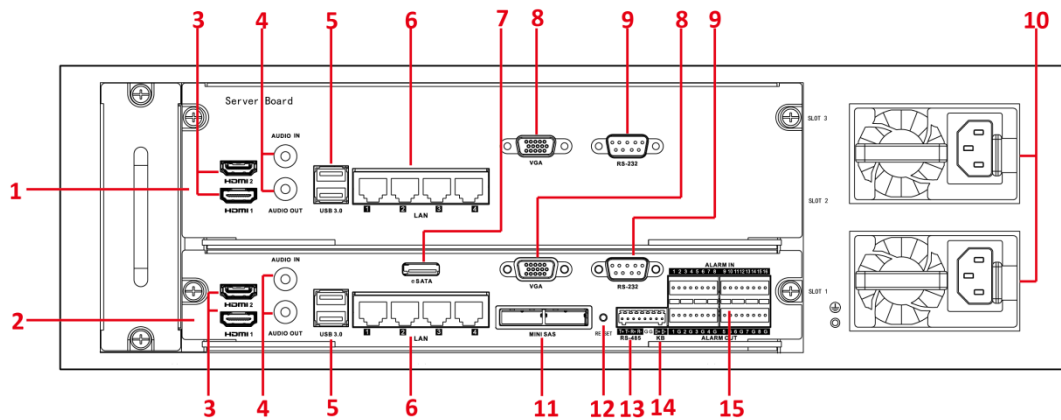
Model		DS-9000AI-S16-D		
Hardware	Structure	Pluggable HDD trays with no-cable design and dual-board structure (server board and storage board) realize effective task and storage management.		
	Chassis	3U chassis of thick galvanized steel		
	Dimensions (W × D × H)	487 × 560 × 133 mm (19.2 × 22.0 × 5.2 inch)		
	Bezel	Frosted aluminum alloy bezel. Hot swapping.		
	Multi-functional mounting ears	Integrates status indicators, functional buttons, USB interfaces, and handles. Supports one-key muting.		
	Fan	Redundant dual-ball bearing fan. Hot swapping and smart speed adjusting.		
	Power supply	Redundant power supply module meets the Intel CRPS (Common Redundant Power Supply) standard. 100 to 240 VAC wide-range power input		
	Guide rail	External guide rail for installing device into a rack		
Server board	Processor	Quad-Core Intel® Xeon® Processor E3 V5 Series		
	Memory	8GB DDR4. ECC parity. Extendable up to 64 GB		
	System disk	Industrial-level SSD with 128 GB capacity		
	Operation system	Ubuntu Linux is installed by default. Microsoft Windows, including Windows 7E, Windows 10, and Windows Server 2012 R2 can be installed		
	Video output	2 × HDMI interface with resolution up to 4K; 1 × VGA interface with resolution up to 1080p HDMI 1 and VGA simultaneous output mode is enabled by default.		
	LAN	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface		
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0		
	Audio input/output	2 × RCA interface. One for audio input and one for audio output		
	SATA interface	Four 2.5-inch HDDs are connectable		
Storage board	Processor	Dual-Core Intel Processor		
	Operation system	Embedded Linux		
	Audio/video management	IPC video input	128-ch	
		Incoming/outgoing bandwidth	576/512Mbps	
	Audio/video interface	HDMI interface	Two independent HDMI outputs, resolution: 4K (4096x2160), 4K (3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x720)/60Hz, XGA (1024x768)/60Hz	
		VGA interface	1-ch, resolution: 1080p (1920x1080)/60Hz, UXGA (1600x1200)/60Hz, SXGA (1280x1024)/60Hz, 720p (1280x 720)/60Hz, XGA (1024x768)/60Hz	
		Audio output	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
		Two-way audio input	1-ch, RCA (2.0Vp-p, 1KΩ)	
	Audio/video decoding	Decoding format	H.265, H.265+, H.264, H.264+,MPEG4, MJPEG (for Hikvision IP camera only)	
		Video resolution	12MP/8MP/7MP/6MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
Synchronous playback		16-ch		
Capability		H.264, H.264+, H.265, and H.265+ stream: 20@1080p; MPEG4 and MJPEG: 10@1080p		

Storage board	HDD management	SATA interface	16 3.5-inch HDDs are connectable. Hot swapping
		Capacity	Up to 8 TB for each HDD
		Installation	Pluggable HDD tray. Hot swapping
		RAID	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
		Storage extension interface	1 × eSATA interface 2 × miniSAS interface
	Other interface	Network interface	4 × RJ45 10M/100M/1000M self-adaptive Ethernet interface
		Serial port	1 × RS-485 (full-duplex) 1 × Keyboard 1 × RS-232
		USB interface	Rear panel: 2 × USB 3.0
		Alarm input/output	16/8
Other parameter	Consumption (without HDD)	≤ 350 W	
	Working temperature	0 °C to +50 °C (+32 °F to +122 °F)	
	Working humidity	10% to 90% RH (no freezing and no condensation)	
	Storage temperature	-10 °C to +70 °C (+14 °F to +158 °F)	
	Storage humidity	5% to 90% RH (no freezing and no condensation)	
	Weight (without HDD)	≤ 20 Kg (44.1 lb)	

## Typical Application



## Physical Interfaces



No.	Name	No.	Name
1	Server board	9	RS-232 interface
2	Storage board	10	Power supply module
3	HDMI video output	11	Mini SAS interface
4	Audio input/output	12	Reset button
5	USB 3.0 interface	13	RS-485 interface
6	Network interface	14	Keyboard interface
7	eSATA interface	15	Alarm input/output
8	VGA video output		

## Available Model

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Distributed by



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