NVR

16CH PoE NVR

16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P HD PoE NVR

AI-NVR16-16P 4K

4K Output | HD IPC | DDNS | Network | PTZ | Audio | MIC | Mobile | CMS | USB | Mouse | E-mail | STD | FR | VCA

AI-NVR16-16P 4K supports 16CH 16MP /12MP / 8MP / 6MP /5MP / 4MP / 3MP / 1080P / 1280x1024/960P/ 720P high definition IP input, which adopts the advanced SOC technique to ensure high definition recording in each channel and realize outstanding robustness of the system.

AI-NVR16-16P 4K integrates with 16 PoE network ports and supports 16 CH IPC direct connection to NVR , simultaneous 16 CH playback, and 4K high definition display. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

shieldcctv.com

For more information, please visit our website

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SPECIFICATIONS

Model		AI-NVR16-16P 4K
System	OS	Embedded Linux
Video	Compression	H.265S/H.265+/H.265/H.264
	IP Video Input	16CH IPC input
	Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
	Incoming/ Outgoing Bandwidth	192Mbps/192Mbps
		*When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
	Output	HDMI : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA can be set to output the same or different video source with HDMI
	Multi-screen Display	Main output: 1/4/6/8/9/13/16 (live view) AUX output: 1/4/6/8/9 (live view) AI mode (default mode): max 16CH (HDMI and VGA output the same video source, AI by device supported) Independent output mode: max 25CH (HDMI and VGA output different video sources, AI by device not supported)
Audio	Network Input	16 CH IPC audio input
	2-way Audio	RCA × 1
	Local Output	RCA × 1
	Compression	G.711(U/A)
Record	Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
	Frame Rate	NTSC: 30fps; PAL: 25fps
Playback	Simultaneous Playback	Max 16CH
	Search	Time slice / time / event / tag / smart search
	Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
	Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	Live View/ Playback	1×16MP / 4×4MP/ 10×1080P (main output: 8×1080P + aux. output: 2×1080P
Alarm	Mode	Manual, sensor, motion, exception, smart events, etc.
	Input	8 CH local alarm input
	Output	4 CH
	Triggering	Record, snap, preset, e-mail, etc.
Face	Face Detection Performance (AI by IPC)	16 CH
	Face Detection Performance (AI by Device)	2 CH (2MP)
	Face Match Performance	6 CH
	Comparison Capability	18 pictures / second
	Face Picture Database	32 libraries 10000 Face Pictures
	Face Picture Search	Search by picture is supported
	Database Management	Add, modify, delete and search face pictures
	Face Picture Adding	Add face pictures through APP, WEB and external import
	Face Picture Comparison	Support successful face recognition alarm and stranger match alarm
	Track	Track display on a map
	Statistical Graph of Information	Bar graph
	Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized time period
Perimeter Protection	Human/Vehicle Classification (AI by IPC)	16 CH
	Human/Vehicle Classification (AI by Device)	2 CH (2MP)
Video Metadata	Human/Vehicle Attribute Analysis	Yes (AI by IPC)
Other Functions	Fisheye	Supports fisheye camera access
	Plate Recognition (AI by IPC)	Yes
PoE	PoE Port	RJ 45 100Mbps × 16
	Standard	IEEE802.3AF/AT
	Output Power	⩽ 150W
Network	Interface	RJ 45 1000 Mbps × 1
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x, RTSP, SNMP, ONVIF, etc.
	Client Connection	Max. 64 users access
Mobile Device	OS	iOS, Andriod
Storage	HDD Interface	SATA × 2, max 10T for each HDD
Backup	Local Backup	U disk, USB mobile HDD
	Network Backup	Yes
External Interface	RS 485	Yes (full-duplex), connect to PTZ or keyboard
	USB	USB 3.0 × 1 ; USB 2.0 × 2
	Remote Controller	Optional
Others	Power Supply	DC48V/3.75A
	Consumption	⩽ 20W (without HDD and PoE power supply)
	Certificate	CE, FCC
	Environmental Protection	Directive EU RoHS, REACH and WEEE
	Dimensions(mm)	380 × 268 × 45 (W × D × H)
	Working Environment	-10 ~ 50 ℃, 10% ~ 90% humidity

Features

- Supports 16 CH 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF IPC Input
- H.265S/H.265+/H.265/H.264
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-type recording: manual / timed / motion / sensor / POS / AI recording
- Playback : 16 CH simultaneous playback
- Search : time slice, time, event, tag and smart search
- Supports face detection and comparison
- Supports multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
- Supports license plate recognition
- Supports POS information overlay on live view and playback
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Supports 16CH PoE IPC direct connection to NVR via PoE ports
- Multi-user online simultaneously
- Authorization management, log view and device status view
- 4K output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

*All pictures and specifications are for reference only and are subject to change without prior notice.

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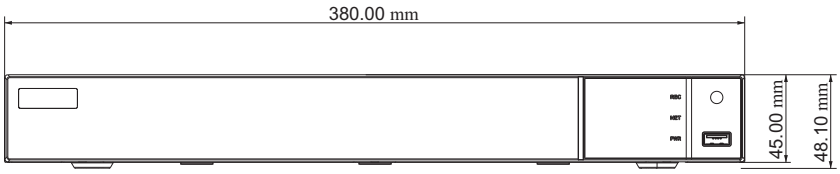
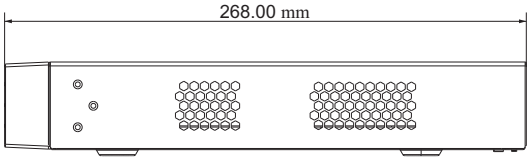
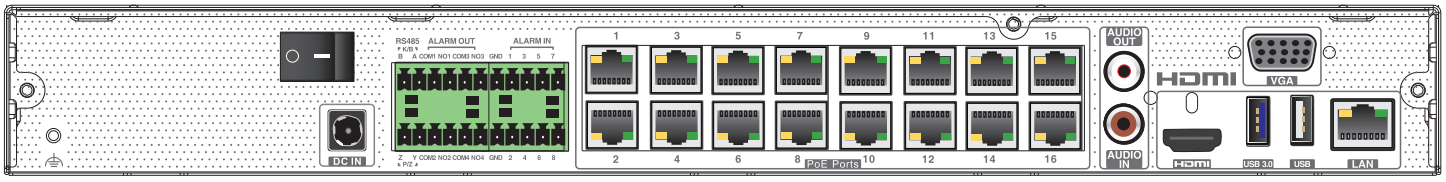
DIMENSIONS





Rear Panel



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