







DDNS



























HD IPC

Network

Audio

MIC

Mobile

USB

Mouse

SM-NH8112-AI supports 8 CH 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.

SM-NH8112-AI supports 8 CH IPC input, simultaneous 8 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.







SPECIFICATIONS

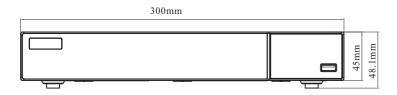
System		Model	SM-NH8112-AI
Video IP Video Input SCH IPC input	System	OS	Embedded Linux
IP Video Input Resolution 12MP/RMP/SMP/SMP/3MP/1080P/1280×1024/960P/ 72079960H/D1/CIF 80Mbps/8Mbps (incoming/outgoing) HDMI1: 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 HDMI2: 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA and HDMI1 output the same video source Schipperson of Capability RCA × 1 Local Output RCA × 1			******
Network SoMbps/SoMbps (incoming/outgoing)			8CH IPC input
Network Bandwidth 80Mbps/80Mbps (incoming/outgoing)		Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/
Audio			
Audio RCA × 1 Local Output RCA × 1 Compression G.711(U/A) Record Stream Dual stream recording Resolution 12MP/RMP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/DI/CIF Frame Rate NTSC: 30fps; PAL: 25fps Simultaneous Playback Search Time slice / time / event / tag / 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.			HDMI2:1920×1080/1280×1024/1024×768 VGA×1:1920×1080/1280×1024/1024×768
Local Output RCA×1		Network Input	8 CH IPC audio input
Local Output RCA×1	4 1:	2-way Audio	RCA×1
Record Stream Resolution Resoluti	Audio	Local Output	RCA×1
Record Resolution 12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF Frame Rate NTSC: 30fps; PAL: 25fps Simultaneous Playback Playback Search Time slice / time / event / tag / 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 Playback Multi-Screen Display Mode Dual Output Mode Al mode: HDMD2 output and 12MP video input (live view/playback) are unavailable, but 8MP video input supports Alarm Alarm Rode Alarm Alarm Record, Alby device Al Mode Alarm input A CH Triggering Record, snap, preset, e-mail, etc. Face Detection Performance (Al by IPC) Face Detection Performance (Al by Device) Face Match Performance (Al by Device) Face Match Performance Comparison Capability Face Picture Database Management Add, modify, delete and search face pictures Face Picture Adding Face Pictu		Compression	G.711(U/A)
Resolution 720P/960H/D1/CIF Frame Rate NTSC: 30fps; PAL: 25fps	Record	Record Stream	Dual stream recording
Frame Rate NTSC: 30fps; PAL: 25fps		Resolution	
Playback Search Time slice / time / event / tag / smart search Smart Search		Frame Rate	
Smart Search Highlighted color to display the camera record in a certain period of time, different colors refers to different record events	Playback		Max 8 CH
Smart search Period of time, different colors refers to different record events		Search	Time slice / time / event / tag / smart search
Decoding Capability Playback Multi-Screen Display Mode Dual Output Mode SCH (HDMI1) +8CH (HDMI2) AI 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 Detection Performance (AI by IPC) Face Detection Performance (AI by IPC) Face Match Performance Comparison Capability Face Picture Search Database Management Face Picture Comparison Track Track display on a map Statistical Graph Bar graph Dat output mode (default mode): supports HDMI2 output, but downed: supports HDMI2 output, but downed: supports HDMI2 output, but downed input (live view/playback) are unavailable, but 6MP video input supports 6MP video input (live view/playback) are unavailable, but 6MP video input supports 6MP video input supports 6MP video input supports 6MP video input supports supports 4CH Alama 2		Smart Search	
Capability		Function	Play, pause, FF, FB, digital zoom, etc.
Mode	_		1CH 12MP/4CH 1080P
Dual Output Mode 8CH (HDMI1) +8CH (HDMI2) Al 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 Detection Performance (AI by IPC) Face Detection Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Database Management Face Database Management Face Picture Adding Face Picture Comparison Face Picture Search Search by picture is supported Add, modify, delete and search face pictures Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph		Mode	but doesn't support AI by device AI mode: HDMI2 output and 12MP video input (live view/playback)
Alarm Mode	Mode	Dual Output Mode	8CH (HDMI1) +8CH (HDMI2)
Alarm Input 4 CH Triggering Record, snap, preset, e-mail, etc.		AI Mode	8CH(HDMI1)
Alaim Output 4 CH Triggering Record, snap, preset, e-mail, etc. Face Detection Performance (AI by IPC) Face Detection Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Database Face Picture Search Database Management Face Picture Adding Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph 8 CH CH PHOP (2MP) 8 CH		Mode	Manual, sensor, motion, exception, smart events, etc.
Output 4 CH Triggering Record, snap, preset, e-mail, etc. Face Detection Performance (AI by IPC) Face Detection Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Database Face Picture Search Face Picture Search Face Picture Adding Face Picture Adding Face Picture Comparison Face Picture Adding Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph	Alarm	Input	8 CH local alarm input
Face Detection Performance (AI by IPC) Face Detection Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Database Face Picture Search Face Database Management Face Picture Adding Face Picture Comparison Face Picture Search Face Database Management Face Picture Adding Face Picture Comparison Face Picture Adding Face Picture Comparison Face Picture Adding Face Picture Comparison Face Picture Comp		Output	4 CH
Performance (AI by IPC) Face Detection Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Database Management Face Database Management Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Set CH (2MP) 2 CH (2MP) (2 CH (2MP) (2 CH (2MP) (3 Libraries Second (4 CH (2MP) (5 CH (2MP) (6 CH (2MP)		Triggering	Record, snap, preset, e-mail, etc.
Performance (AI by Device) Face Match Performance Comparison Capability Face Picture Search Database Management Face Picture Adding Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Face Match Performance 6 CH 6 CH 8 pictures/second 18 pictures/second 18 pictures/second Search Search Search Search sy pictures Face Picture Search by picture is supported Add, modify, delete and search face pictures Add face pictures through APP, WEB and external import Adding Face Picture Comparison Track display on a map Statistical Graph Bar graph		Performance	8 CH
Performance Comparison Capability Face Picture Database Face Picture Search Database Management Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph		Performance	2 CH (2MP)
Face Picture Database Face Picture Search Face Picture Search Search by picture is supported Database Management Face Picture Adding Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph Statistical Graph Face Picture Capabase Statistical Graph Bar graph Statistical Graph Bar graph Statistical Graph Face Picture Capabase Add, modify, delete and search face pictures Add face pictures through APP, WEB and external import Add face pictures through APP, WEB and external import Add face pictures through APP, WEB and external import Bar graph			6 CH
Face Database 10000 Face Pictures		, A	18 pictures / second
Face Search Search by picture is supported	Face		
Database Management Add, modify, delete and search face pictures Face Picture Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph Add, modify, delete and search face pictures Add face pictures through APP, WEB and external import Supports allow list, block list and stranger match alarm Track Bar graph			Search by picture is supported
Adding Face Picture Comparison Track Track display on a map Statistical Graph Bar graph			Add, modify, delete and search face pictures
Comparison Track Track display on a map Statistical Graph Bar graph			Add face pictures through APP, WEB and external import
Statistical Graph Bar graph			Supports allow list, block list and stranger match alarm
		Track	Track display on a map
			Bar graph

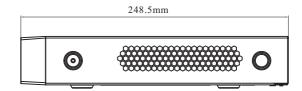
Face	Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized time period
Video Structure Analysis	Human/Vehicle Classification	Yes
Other Functions	Fisheye	Supports fisheye dewarping via Web Client and mobile APP
	Plate Recognition	Yes
Network	Interface	RJ 45 1000 Mbps × 2
	Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x, RTSP, SNMP, ONVIF
	Client Connection	Max. 10 users access
Mobile Device	OS	iOS, Andriod
Storage	HDD Interface	SATA × 1, max 10T
Backup	Local Backup	U disk, USB mobile HDD
Баскар	Network Backup	Yes
	RS 485	Yes (full-duplex), connect to PTZ or keyboard
External	USB	USB 3.0 × 1 ; USB 2.0 × 2
Interface	Remote Controller	Optional
Others	Power Supply	DC12V/2A
	Consumption	≤ 20W (without HDD)
	Certificate	CE, FCC
	Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE
	Dimensions(mm)	300 × 249 × 45 (W × D × H)
	Working Environment	-10 ∼ 50 °C, 10% ∼ 90% humidity

FEATURES

- Supports 8 CH 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: 8 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
- $\bullet \ \ Compatible \ with \ third-party \ IPCs, such as \ ONVIF, Hikvision, etc.$
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- 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

DIMENSIONS





REAR PANEL

