

NVR

16CH NVR

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



SM-N2H16216-AI



This product supports 16 CH 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.

This product supports 16CH IPC input , simultaneous 16CH 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

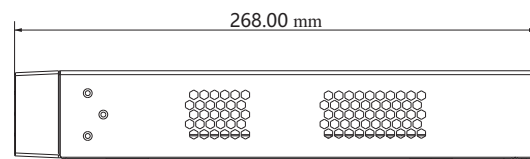
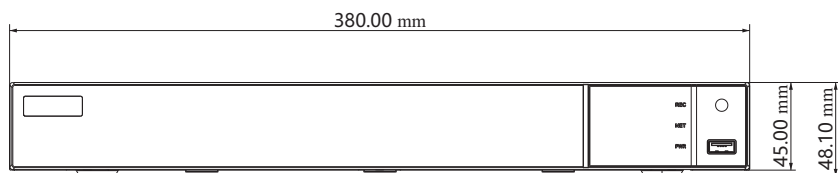
| Model | | SM-N2H16216-AI |
|---------------------------------|---|--|
| System | OS | Embedded Linux |
| Video | Compression | H.265S/H.265+/H.265/H.264 |
| | IP Video Input | 16CH IPC input |
| | Resolution | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF |
| | Incoming/Outgoing 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×1 : 3840 × 2160/1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 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) | 16CH |
| | 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 allow list, block list 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 |
| Network | Interface | RJ 45 1000 Mbps × 2 |
| | 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 | DC12V/4A |
| | Consumption | ≤ 20W (without HDD) |
| | Certificate | CE, FCC |
| | Environmental Protection | Complies with Directive EU RoHS, REACH and WEEE |
| | Dimensions(mm) | 380 × 268 × 48.1 (W × D × H) |
| | Working Environment | -10 ~ 50 °C, 10% ~ 90% humidity |

FEATURES

- Support 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
- Support face detection and comparison
- Support multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
- Support license plate recognition
- Support 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
- 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
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

DIMENSIONS



REAR PANEL

