

## VMS Station



# SH-A708M1-A0

Based on the conception of “All-in-One”, SH-A708M1-A0 is a VMS station specially designed and developed for security surveillance application. Its software is installed before delivery and combines management, video preview and intelligent applications. Due to its low cost, simple deployment, flexible expansion, powerful performance and high reliability, it can meet the requirements of the medium and small-sized security systems.

## Features

- High-performance ARM hardware platform, stable and reliable
- Embedded Linux operating system; All-in-One simple deployment
- Supports 8 SATA interfaces and RAID0,1,5,6,10
- Supports the device access of SHIELD
- Supports ONVIF protocol
- Supports standard, widescreen and customized screen display modes
- Supports 1CH instant playback and main output alarm preview
- Supports device and storage server record search, playback and download
- Supports record search and playback by time, channel, event and tag
- Supports record clip and backup; Support backup by time and event
- Supports TV wall management, including splicing, PIP, roaming and triggering video on TV wall
- Supports human/vehicle monitoring deployment, visitor management and customer flow statistics
- Supports corridor pattern
- Supports 1CH fisheye camera access
- Supports PTZ control, preset and cruise settings and calling
- Supports voice monitoring, two-way talk and broadcast
- Supports picture map
- Supports various alarm types and linkages
- Supports multi-level, multi-area and multi-user permission management
- Supports SDK development package for customized integration application
- Supports Android mobile APP management

## Specifications

|              |                                                          |                                                                                                                                                                                                                                             |
|--------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System       | CPU                                                      | ARM 8-core 64bit AI high performance                                                                                                                                                                                                        |
|              | Operation System                                         | Linux                                                                                                                                                                                                                                       |
|              | Memory                                                   | LPDDR4 8G, 64GB EMMC                                                                                                                                                                                                                        |
| Video &Audio | Video Output                                             | VGA ×1: 1920*1080 (VGA and HDMI output the same video source)<br>HDMI1: 3840 ×2160@60, 3840 ×2160@30, 1920 ×1080<br>HDMI2: 3840 ×2160@60, 3840 ×2160@30, 1920 ×1080<br>HDMI3: 3840 ×2160@60, 3840 ×2160@30, 1920 ×1080<br>HDMI4: 1920 ×1080 |
|              | Multi-screen Display                                     | Main output(HDMI1): 1/2/3/4/6/7/8/9/10/12/13/16/24/25/33/36<br>AUX output(HDMI2): 1/2/3/4/6/7/8/9/10/12/13/16/25/36<br>AUX output(HDMI3): 1/2/3/4/6/7/8/9/10/12/13/16<br>AUX output(HDMI4): 1/2/3/4/6/7/8/9/10/12/13/16                     |
|              | Video Compression                                        | H.264/H.265/H.265+/H.265S                                                                                                                                                                                                                   |
|              | Audio Output                                             | 1CH audio output (MONO Out)                                                                                                                                                                                                                 |
|              |                                                          | Support HDMI1 audio output                                                                                                                                                                                                                  |
|              | Audio Compression                                        | G.711(U/A)                                                                                                                                                                                                                                  |
| Live View    | Max. number of preview                                   | 104(36+36+16+16)                                                                                                                                                                                                                            |
|              | Max. Resolution                                          | 16MP                                                                                                                                                                                                                                        |
|              | Decoding Capability                                      | 1 ×16MP or 4 ×12MP or 6 ×8MP (only available for main output)                                                                                                                                                                               |
| Playback     | Simultaneous Playback                                    | 16CH                                                                                                                                                                                                                                        |
|              | Decoding Capability                                      | 1 ×16MP or 4 ×12MP or 6 ×8MP (only available for main output)                                                                                                                                                                               |
| Performance  | Max. User Access                                         | 64 users                                                                                                                                                                                                                                    |
|              | Max. Online Users                                        | 64 users preview simultaneously                                                                                                                                                                                                             |
|              | Max. Number of Channel Access                            | 1000CH                                                                                                                                                                                                                                      |
|              | Max. Number of Device Access                             | 256 devices                                                                                                                                                                                                                                 |
|              | Max. Number of Decoding Output                           | 64                                                                                                                                                                                                                                          |
|              | Max. Number of Transfer Server Access                    | 1                                                                                                                                                                                                                                           |
|              | Max. Number of Storage Server Access                     | 1                                                                                                                                                                                                                                           |
|              | Max. Channel Number of Recording per Storage Server      | 128                                                                                                                                                                                                                                         |
|              | Max. Number of Channel Access of Third-party protocol    | 1000                                                                                                                                                                                                                                        |
|              | Max. Number of Device Access of Third-party protocol     | 256                                                                                                                                                                                                                                         |
|              | Max. Channel Number of Simultaneous Preview              | 256 (for one client/user)                                                                                                                                                                                                                   |
|              | Max. Channel Number of Simultaneous Playback             | 16 (for one client/user)                                                                                                                                                                                                                    |
|              | Max. Number of Views                                     | Up to 64 view plans can be created                                                                                                                                                                                                          |
|              | Max. Number of Channel Access of Single Transfer Service | 1000                                                                                                                                                                                                                                        |
|              | Max. Number of Device Access of Single Transfer Service  | 256                                                                                                                                                                                                                                         |

|                            |                          |                                                                                                   |
|----------------------------|--------------------------|---------------------------------------------------------------------------------------------------|
|                            | Incoming Bandwidth       | 768Mbps                                                                                           |
|                            | Outgoing Bandwidth       | 256Mbps                                                                                           |
|                            | Storage Bandwidth        | 512Mbps                                                                                           |
|                            | Face Database            | A maximum of 50,000 face pictures can be registered<br>Comparison Capability: 30 pictures/second  |
|                            | Vehicle Database         | A maximum of 10,000 license plates can be registered<br>Comparison Capability: 25 pictures/second |
|                            | Fisheye Camera Access    | Support 1CH fisheye camera to set fisheye mode                                                    |
|                            | Number of TV Wall        | Max. 16 TV walls can be created                                                                   |
|                            | TV Wall Plan per TV Wall | Max. 64 plans can be set for each TV wall                                                         |
| <b>External Interfaces</b> | Ethernet Interface       | 2 RJ45 10M/100M/1000M self-adaptive Ethernet ports                                                |
|                            | Storage                  | SATA3.0 × 8, up to 10TB per HDD;<br>Supports RAID0,1,5,6,10                                       |
|                            | E-SATA Interface         | E-SATA × 2                                                                                        |
|                            | Alarm                    | 16CH alarm input; 8CH alarm output                                                                |
|                            | USB                      | USB3.0 ×1 , USB 2.0 × 3                                                                           |
|                            | RS485                    | Full-duplex (currently no function)                                                               |
|                            | RS232                    | Currently no function                                                                             |
| <b>Others</b>              | Power                    | Redundant power supply, AC100V ~ 240V                                                             |
|                            | Power Consumption        | ≤50 W (without HDD)                                                                               |
|                            | Working Temperature      | -10 ℃ - +50 ℃                                                                                     |
|                            | Relative Humidity        | 10% ~ 90%                                                                                         |
|                            | Dimensions               | 560 × 437.2 × 88mm                                                                                |
|                            | Environmental Protection | Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006)                   |

**Dimensions**

Unit: mm

