

CCTV IP / Professional NVRs

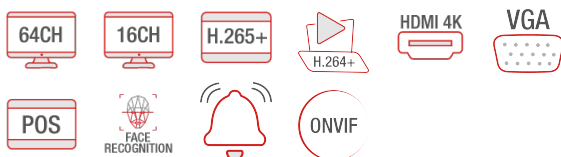
# SF-SERVERVMS-1000CH

## SF-NVR8864A-A3

### 4K NVR 6 Series

Network recorders capable of ultra-high resolution 4K cameras or high efficiency H.265+ encoding. Monitoring up to 2 Ch@4K or 8 Ch@1080p with auto-adaptive mode that achieves simultaneous display of a large number of cameras without exhausting graphics resources. Maximum utilisation of UHD monitors from the 4K HDMI output. Relay/alarm connections for physical integration of other devices. Versions with integrated PoE power supply and auto-add-on mode for simplified and centralised installation.

- NVR recorder for IP cameras A3 range
- 64CH video / Compression H.265S / 8HDD
- Resolution up to 16Mpx / Bandwidth 640Mbps
- HDMI up to 8K and VGA / Dewarping Fisheye
- Facial recognition, Video metadata



## Technical Specification

| System                |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS                    | Embedded Linux                                                                                                                                                                                                                                                                                                                                                                                             |
| Video                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
| IP Video Input        | 64CH                                                                                                                                                                                                                                                                                                                                                                                                       |
| Network Bandwidth     | Incoming: 640Mbps Outgoing: 640Mbps                                                                                                                                                                                                                                                                                                                                                                        |
| Resolution            | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF                                                                                                                                                                                                                                                                                                                                        |
| Output                | HDMI1: 7680×4320@60 7680×4320@30 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 (When the resolution of HDMI1 output is 8K, HDMI2 is unavailable) HDMI2: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI3: 3840×2160@60 3840×2160@30 1920×1080 1280×1024 1024×768 HDMI4: 1920×1080 1280×1024 1024×768 VGA×1: 1920×1080 1280×1024 1024×768 (VGA and HDMI1 output the same video source) |
| Multi-screen Display  | Main output 1/4/6/8/9/13/16/25/32/36/64 AUX output 1 1/4/6/8/9/13/16/25/32/36 AUX output2 1/4/6/8/9/13/16 AUX output 3 1/4/6/8/9/13/16 Max. 132(64+36+16+16)                                                                                                                                                                                                                                               |
| Compression           | H.264/H.265/H.265+/H.265S                                                                                                                                                                                                                                                                                                                                                                                  |
| Audio                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network Input         | 64 CH                                                                                                                                                                                                                                                                                                                                                                                                      |
| Local Input           | RCA×1 (for two-way talk)                                                                                                                                                                                                                                                                                                                                                                                   |
| Local Output          | RCA × 1                                                                                                                                                                                                                                                                                                                                                                                                    |
| HDMI Audio Output     | Support                                                                                                                                                                                                                                                                                                                                                                                                    |
| Compression           | G.711(U/A)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Record                |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Resolution            | 16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF                                                                                                                                                                                                                                                                                                                                        |
| Frame Rate            | N:30fps; P:25fps                                                                                                                                                                                                                                                                                                                                                                                           |
| Playback              |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Simultaneous Playback | 16CH                                                                                                                                                                                                                                                                                                                                                                                                       |
| Search                | Time slice/time/event/tag/smart search                                                                                                                                                                                                                                                                                                                                                                     |
| Function              | Play, pause, FF, Rewind, digital zoom, previous frame, next frame, etc.                                                                                                                                                                                                                                                                                                                                    |
| Decoding Capability   |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Live View/Playback    | 1CH 16MP@30 / 4 CH 12MP(only available for main output)                                                                                                                                                                                                                                                                                                                                                    |
| Playback              | 1CH 16MP@30 / 4CH 8MP(only available for main output)                                                                                                                                                                                                                                                                                                                                                      |
| Alarm                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mode                  | Manual, sensor, motion, exception, smart events, etc.                                                                                                                                                                                                                                                                                                                                                      |

|                   |                                    |
|-------------------|------------------------------------|
| <b>Input</b>      | 16 CH                              |
| <b>Output</b>     | 4 CH                               |
| <b>Triggering</b> | Record, snap, preset, e-mail, etc. |

## Network

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Interface</b>         | RJ45 10/100/1000Mbps ×2                                                                                               |
| <b>Protocol</b>          | TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP,SMTP, IPv6, UDP,WebSocket, PPPoE, SNMP, IGMP |
| <b>Client Connection</b> | Max. 128 users access                                                                                                 |

## Face

|                                                  |                                                                           |
|--------------------------------------------------|---------------------------------------------------------------------------|
| <b>Face Detection Performance (AI by IPC)</b>    | 64CH                                                                      |
| <b>Face Detection Performance (AI by Device)</b> | 4 CH                                                                      |
| <b>Face Match Performance</b>                    | 16 CH                                                                     |
| <b>Comparison Capability</b>                     | 36 pictures/second                                                        |
| <b>Face Picture Database</b>                     | 32 libraries 10000 face pictures                                          |
| <b>Face Picture Search</b>                       | Search by picture is supported                                            |
| <b>Database Management</b>                       | Add, modify, delete and search face pictures                              |
| <b>Face Picture Adding</b>                       | Add face pictures through APP, WEB and external import                    |
| <b>Face Picture Comparison</b>                   | Supports successful face recognition alarm and stranger match alarm       |
| <b>Track</b>                                     | Track display on a map                                                    |
| <b>Statistical Graph of Information</b>          | Bar graph                                                                 |
| <b>Statistical Mode of Information</b>           | Statistics by day, week, month, quarter as well as customized time period |

## Video Structure Analysis

|                                                    |      |
|----------------------------------------------------|------|
| <b>Human/Vehicle Classification (AI by IPC)</b>    | 64CH |
| <b>Human/Vehicle Classification (AI by Device)</b> | 8CH  |
| <b>Human/Vehicle Attribute Analysis</b>            | Yes  |

## Other Functions

|                                      |     |
|--------------------------------------|-----|
| <b>Fisheye Access</b>                | Yes |
| <b>Plate Recognition (AI by IPC)</b> | Yes |

## Mobile Device

|           |              |
|-----------|--------------|
| <b>OS</b> | iOS, Andriod |
|-----------|--------------|

## Storage

|                                 |                                                                                 |
|---------------------------------|---------------------------------------------------------------------------------|
| <b>HDD Interface</b>            | SATA× 8, max 10TB per HDD                                                       |
| <b>RAID Type</b>                | RAID0,1,5,6,10                                                                  |
| <b>E-SATA Interface</b>         | 2                                                                               |
| <b>Port</b>                     |                                                                                 |
| <b>USB</b>                      | USB3.0× 1; USB2.0 × 2(Front:1)                                                  |
| <b>RS485</b>                    | Yes (full-duplex), connect to PTZ or keyboard                                   |
| <b>Remote Controller</b>        | Optional                                                                        |
| <b>Others</b>                   |                                                                                 |
| <b>Power</b>                    | ATX-200W                                                                        |
| <b>Consumption</b>              | ≤50W (without HDD)                                                              |
| <b>Dimensions(mm)</b>           | 445 × 436 × 90mm (W×D×H)                                                        |
| <b>Certificate</b>              | CE,FCC                                                                          |
| <b>Environmental Protection</b> | Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006) |
| <b>Working Environment</b>      | -10~50℃; Humidity: 10%~90%                                                      |