

CCTV IP / Professional NVRs

# SF-NVR8108A-B2

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### 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 B2 range
- 8CH video / Compression H.265S / 1HDD
- Resolution up to 12Mpx / Bandwidth 80Mbps
- HDMI 4K and VGA / Dewarping Fisheye
- Facial recognition, Video metadata



## Technical Specification

System	
OS	Embedded Linux
IP Video Input	8CH IPC input
Video	
Compression	H.265S/H.265+/H.265/H.264
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Output	HDMI × 1 : 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
Network Bandwidth	80Mbps/80Mbps (incoming/outgoing)
Multi-screen Display	Main output:1/4/6/8/9 (live view) AUX output:1/4/6/8/9 (live view) AI mode (default mode): max 8CH (HDMI and VGA output the same video source, AI by device supported) Independent output mode: max 16CH (HDMI and VGA output different video sources, AI by device not supported)
Audio	
Network Input	8 CH IPC audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	12MP: 20fps 8MP or lower resolution: NTSC: 30fps; PAL: 25fps
Playback	
Simultaneous Playback	Max 8 CH
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 ×12MP@20fps 4× 1080P@30fps
Alarm	
Input	8 CH local alarm input
Output	4CH

**Triggering** Record, snap, preset, e-mail, etc.

## Network

<b>Interface</b>	RJ 45 1000 Mbps × 2
<b>Protocol</b>	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, RTSP, SNMP, ONVIF, etc.
<b>Client Connection</b>	Max. 64 users access
<b>Client Connection</b>	Max. 64 users access

## Face

<b>Face Detectio Performance (AI by IPC)</b>	8 CH
<b>Face Detection Performance (AI by Device)</b>	2 CH
<b>Face Match Performance</b>	6 CH
<b>Comparison Capability</b>	18 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 allow list, block list 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</b>	Yes
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## Other Functions

<b>Fisheye</b>	Supports fisheye camera access
<b>Plate Recognition (AI by IPC)</b>	Yes

## Mobile Device

<b>OS</b>	iOS, Andriod
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## Storage

<b>HDD Interface</b>	SATA × 1, max 10T
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## Backup

<b>Local Backup</b>	U disk, USB mobile HDD
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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/2A

**Consumption** | ≤ 20W ( without HDD )

**Dimensions (mm)** | 300 × 248.5 × 48.1 ( W × D × H )

**Working Environment** | -10 ° 50 ° 10% ~ 90% humidity

**Certificate** | CE, FCC

**Environmental Protection** | Complies with Directive EU RoHS, REACH and WEEE