

CCTV IP / Professional NVRs

# SF-NVR8416A-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
- 16CH video / Compression H.265S / 4HDD
- Resolution up to 12Mpx / Bandwidth 160Mbps
- HDMI 4K and VGA / Dewarping Fisheye
- Facial recognition, Video metadata



## Technical Specification

System	
OS	Embedded Linux
Video	
IP Video Input	16CH IPC input
Network Bandwidth	160Mbps/160Mbps (incoming/outgoing)
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 HDMI2 : 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 (live view) AUX output: 1/4/6/8/9 (live view) Max. 16+9CH local live view
Compression	H.265S/H.265+/H.265/H.264
Audio	
Network Input	16 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 16CH
Search	Time slice / time / event / tag / smart search
Function	Play, pause, FF, FB, digital zoom, etc.
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Decoding Capability	
Live View/Playback	1CH 12MP/4CH 1080P
Alarm	
Mode	Manual, sensor, motion, exception, smart events, etc.
Input	16 CH local alarm input

<b>Output</b>	4 CH
<b>Triggering</b>	Record, snap, preset, e-mail, etc.
<b>Network</b>	
<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>Face</b>	
<b>Face Detection Performance (AI by IPC)</b>	16CH
<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>	Support 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
<b>Video Structure Analysis</b>	
<b>Human/Vehicle Classification</b>	Yes
<b>Other Functions</b>	
<b>Fisheye Access</b>	Supports fisheye dewarping via Web Client and mobile APP
<b>Plate Recognition (AI by IPC)</b>	Yes
<b>Mobile Device</b>	
<b>OS</b>	iOS, Andriod
<b>Storage</b>	
<b>HDD Interface</b>	SATA × 4, max 10T for each HDD
<b>E-SATA Interface</b>	E-SATA × 1
<b>Backup</b>	

<b>Local Backup</b>	U disk, USB mobile HDD
<b>Network Backup</b>	Yes
<b>External Interface</b>	
<b>RS 485</b>	Yes (full-duplex), connect to PTZ or keyboard
<b>USB</b>	USB 3.0 × 1 ; USB 2.0 × 2
<b>Remote Controller</b>	Optional
<b>Others</b>	
<b>Power Supply</b>	ATX 250W
<b>Consumption</b>	≤ 20W ( without HDD )
<b>Dimensions(mm)</b>	440 × 390 × 70( W × D × H )
<b>Certificate</b>	CE,FCC
<b>Environmental Protection</b>	Directive EU RoHS, REACH and WEEE
<b>Working Environment</b>	-10 ~ 50 °C 10% ~ 90% humidity