

CCTV IP / Professional NVRs

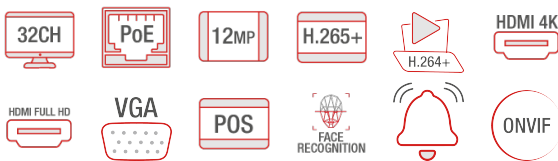
SF-NVR8432A-16P-B2

SF-NVR8432A-16P-B2

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
- 32CH video / PoE 16CH / H.265+ / 4HDD
- Resolution up to 12Mpx / Bandwidth 320Mbps
- Facial recognition, Smart searches
- HDMI 4K, HDMI FullHD and VGA / Dewarping Fisheye



Technical Specification

System	
OS	Embedded Linux
Video	
IP Video Input	32CH IPC input
Network Bandwidth	320Mbps/256Mbps (incoming/outgoing)
Resolution	12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Output	HDMI1 : 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: 1/4/6/8/9/13/16/25/32/36 (live view) AUX output: 1/4/6/8/9 (live view) Max. 32+9CH local live view
Compression	H.265S/H.265+/H.265/H.264
Audio	
Network Input	32 CH IPC audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Record Stream	Dual stream recording
Resolution	12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	12MP: 20fps; 9MP 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
Output	4 CH
Triggering	Record, snap, preset, e-mail, etc.

Network

Interface	RJ 45 1000 Mbps × 2
Protocol	TCP / IP, HTTP, HTTPS, 802.1X, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP
Client Connection	Max. 128 users access

Face

Face Detection Performance (AI by IPC)	32CH
Face Detection Performance (AI by Device)	2 CH
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 successful face recognition alarm 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

Video Structure Analysis

Human/Vehicle Classification	Yes
-------------------------------------	-----

Other Functions

Fisheye	Supports fisheye dewarping via Web Client and mobile APP
Plate Recognition (AI by IPC)	Yes

PoE

PoE Port	RJ 45 100Mbps × 16
Standard	IEEE802.3AF/AT
Output Power	≤ 150W

Mobile Device

OS	iOS, Andriod
-----------	--------------

Storage	
HDD Interface	SATA × 4, max 10T for each HDD
E-SATA Interface	E-SATA × 1
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	ATX 300W(PoE)
Consumption	≤ 20W (without HDD and PoE power supply)
Dimensions(mm)	440 × 390 × 70(W × D × H)
Certificate	CE,FCC
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE
Working Environment	-10 ° 50 ° 10% ~ 90% humidity