

CCTV IP / Professional NVRs

SF-NVR8216A-16P-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 PoE Ports / Compression H.265S / 2HDD
- 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 : 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
Multi-screen Display	Main output: 1/4/6/8/9/13/16 (live view) AUX output: 1/4/6/8/9 (live view) AI mode (default mode): max 16CH (HDMI and VGA output the same video source, AI by device supported) Independent output mode: max 25CH (HDMI and VGA output different video sources, AI by device not supported)
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
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	
Mode	Manual, sensor, motion, exception, smart events, etc.
Input	8 CH local alarm input

Output	4 CH
Triggering	Record, snap, preset, e-mail, etc.
Network	
Interface	RJ 45 1000 Mbps × 1
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, RTSP, SNMP, ONVIF, etc.
Client Connection	Max. 64 users access
Face	
Face Detection Performance (AI by IPC)	16 CH
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
FFace 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 Access	Supports fisheye camera access
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 × 2, max 10T for each HDD
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	DC48V/3.75A
Consumption	≤ 20W (without HDD and PoE power supply)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, REACH and WEEE
Dimensions(mm)	380 × 268 × 45 (W × D × H)
Working Environment	-10 ~ 50 °C 10% ~ 90% humidity