

CCTV IP / Professional NVRs

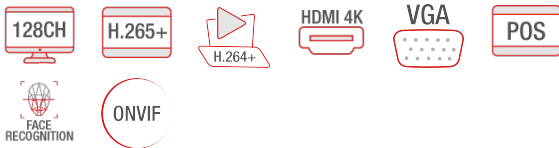
SF-NVR816128A-A3

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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 A3 range
- 128CH video / Compression H.265S / 8HDD
- Resolution up to 16Mpx / Bandwidth 768Mbps
- HDMI up to 8K and VGA / Dewarping Fisheye
- Facial recognition, Video metadata



Technical Specification

System	
OS	Embedded Linux
Video	
IP Video Input	128CH
Network Bandwidth	Incoming: 768Mbps Outgoing: 768Mbps
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	128CH
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	
Playback	1CH 16MP@30 / 4CH 8MP(only available for main output)
Live View	1CH 16MP@30 / 4 CH 12MP(only available for main output)
Alarm	
Mode	Manual, sensor, motion, exception, smart events, etc.

Input	24CH
Output	8CH
Triggering	Record, snapshot, preset, e-mail, etct.

Network

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

Face Recognition

Face Detection Performance (AI by IPC)	128CH
Face Detection Performance (AI by Device)	4CH
Face Match Performance	16CH
Comparison Capability	36 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	Supports 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 (AI by IPC)	128CH
Human/Vehicle Classification (AI by Device)	8CH
Human/Vehicle Attribute Analysis	Yes

Other Functions

Fisheye Access	Yes
Plate Recognition (AI by IPC)	Yes

Mobile Device

OS	iOS, Andriod
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Storage

HDD Interface	SATA× 16 max 10TB per HDD
RAID Type	RAID0,1,5,6,10
E-SATA Interface	2
Port	
USB	USB3.0× 1 USB2.0 ×3(Front:2)
RS485	Yes (full-duplex), connect to PTZ or keyboard
RS232	Yes
Reset	Yes
Remote Controller	No
Others	
Power	ATX-275W
Consumption	≤50W (without HDD)
Dimensions(mm)	437 × 483 × 143mm
Certificate	CE,FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006)
Working Environment	-10~50℃; Humidity: 10%~90%