

CCTV IP / Professional NVRs

# SF-NVR6216-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
- 16 CH video / Compression H.265+ / 2HDD
- Resolution up to 8Mpx / Bandwidth 160Mbps
- Face detection, Video metadata
- Artificial intelligence up to 2CH.



## Technical Specification

System	
OS	Embedded Linux
Video	
Network Input	16CH IPC input
Network Input	
Resolution	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
Screen Display Mode	1/4 /6/8/9/13/16
Compression	H.265S /H.265+ / H.265 / H.264
Audio	
Network Input	16 CH IPC audio input
Local Input	RCA × 1 (for two-way audio)
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	NTSC:30fps; PAL:25fps
Playback	
Simultaneous Playback	Max.16 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	1×8MP@30fps; 6×1080P@30fps
Alarm	
Mode	Manual, sensor, motion, exception, smart events

<b>Input</b>	Supports IPC alarm input
<b>Output</b>	Supports IPC alarm output
<b>Triggering</b>	Record, snap, preset, e-mail, etc.

## Network

<b>Interface</b>	RJ 45 × 1 (10/100/1000Mbps)
<b>Protocol</b>	TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, SMTP, HTTPS, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF
<b>Incoming/ Outgoing Bandwidth Bandwidth</b>	160/160(Mbps) *When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
<b>Client Connection</b>	Max. 64 users access

## Face

<b>Face Detection Performance (AI by IPC)</b>	16 CH
<b>Face Detection Performance (AI by Device)</b>	2 CH
<b>Face Match Performance</b>	No
<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 (AI by IPC)</b>	16 CH
<b>Human/Vehicle Classification (AI by Device)</b>	2 CH
<b>Human/Vehicle Attribute Analysis</b>	Yes (AI by IPC)

## Other Functions

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

## Mobile Device

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

<b>HDD Interface</b>	SATA3.0 × 2, max 10T
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## Backup

<b>Local Backup</b>	U disk, USB mobile HDD
<b>Network Backup</b>	Yes

## Port

<b>USB</b>	USB 2.0 × 2
<b>Remote</b>	
<b>Controller</b>	Optional
<b>PoE</b>	
<b>PoE Ports</b>	100M RJ45 × 16
<b>Standards</b>	IEEE802.3AF/AT
<b>Output Power</b>	≤ 150W
<b>Others</b>	
<b>Power Supply</b>	DC 48V/3.75A
<b>Consumption</b>	≤ 10W ( without HDD )
<b>Dimensions (mm)</b>	380 × 268 × 45 ( W × D × H )
<b>Working Environment</b>	-10~50 °C, 10% ~ 90% humidity
<b>Certificate</b>	CE, FCC
<b>Environmental Protection</b>	Complies with Directive EU RoHS, REACH and WEEE