

NVR4116-4KS3

Video recorder NVR4116-4KS3

- 16-channel IP video recorder
- Audio: 1 Vx. / 1 Output, RCA
- Video compression: Smart H. 265+; H. 265; Smart H. 264+; H. 264
- Audio Compression:G. 711a; G. 711u; PCM; G726
- Network Protocol: HTTP; HTTPS; TCP/IP; IPv4; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Server; IP search (Supports IP camera, DVR, NVS, etc.); P2P

Number of channels	16 channel
Type	NVR
Megapixel	16 MP
Max HDD count	1 HDD
Max HDD capacity	20 TB



Model	NVR4116-4KS3
System	
Main Processor	Industrial-grade processor
Operating system	Embedded Linux OS
Working interface	Internet, local graphical interface
AI	
AI using the logger	SMD Plus
AI using the camera	Face Detection; Face Recognition; Perimeter Security; SMD Plus; People Counting; Stereo Analysis; Heat Map
Perimeter protection	

AI performance around the perimeter using the camera (number of channels)	6 channels
Face Detection	
Face Attributes	Gender; Age Group; Glasses; Expressions; Medical Mask; Beard
AI face recognition performance using the camera (number of channels)	6 channels
Face recognition	
AI face recognition performance using the camera (number of channels)	6 channels
SMD Plus	
SMD Plus using the logger	4 channels:Secondary filtering for humans and vehicles, reducing false alarms caused by leaves, rain, and changing lighting conditions.
SMD Plus using the camera	6 channels
Audio and Video	
Channel Access	16 channels
Network bandwidth	AI disabled: Incoming speed 160 Mbit / s, write speed 160 Mbit/s, and outgoing speed 80 Mbit/s. AI enabled:The incoming speed is 80 Mbps, the write speed is 80 Mbps, and the outgoing speed is 60 Mbps.
Permission	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF; QCIF
Decoding capability	AI disabled:1 channel, 12 MP, 30 fps; 2 channel 8 MP 30 fps; 3 channel 5 MP 30 fps; 4 channel, 4 MP, 30 fps; 8 channel 1080p 30 fps AI enabled:1 channel, 12 MP, 30 fps; 1 channel 8 Mp 30 fps; 2 channel 5 MP 30 fps; 3 channel, 4 MP, 30 fps; 7 channel 1080p 30 fps
Video output	1 HDMI, 1 VGA Simultaneously: HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA:1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI:1920 × 1080, 1280 × 1024, 1280 × 720 VGA:1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen display	Main screen:1 / 4 / 8 / 9 / 16 Additional screen:1 / 4 / 8 / 9 / 16
Accessing a third-party camera	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon;

	Hanwha
Compression Standard	
Video compression	Smart H.265+; H.265; Smart H.264+; H.264
Audio compression	G.711a; G.711u; PCM; G726
Network	
Network Protocol	HTTP; HTTPS; TCP / IP; IPv4; UDP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; DDNS; Alarm Services; IP Search (Supports IP camera, DVR, NVS, etc.); P2P; Auto registration
Smartphones	ONVIF 22.12(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE; Safari; Edge; Firefox
Playback of the recording	
Multi-channel playback	Up to 16 channels
Recording mode	General, Motion detection, Intelligent, Alarm
Backup method	USB device and network
Playback mode	Instant replay, General replay, Event replay, Tag replay, Smart replay
Anxiety	
General alert	Motion detection; Privacy Mask; Video loss; Scene change; PIR alarm; External IPC alarm
Abnormal alarm	Camera shutdown; Storage error; Disk full; IP conflict; MAC conflict; Login blocked; and Cybersecurity exception
Smart alarm	Face Detection; Face Recognition; Perimeter Security; SMD Plus; People Counting; Stereo Analysis; Heat Map
Communication with the alarm system	Record; Snapshot; IPC external alarm output; Audio; Buzzer; Log; Preset; Email
Port	
Audio Input	1 channel, RCA
Audio Output	1 channel, RCA
Alarm Input	No (2 channels optional)

Alarm Output	No (1-channel 12 V output, 1 A optional)
Hard disk Interface	1 SATA port. up to 20 TB. This limit varies depending on the ambient temperature.
USB	2 (2 USB 2.0 ports on the back panel)
HDMI	1
VGA	1
Network Port	1 (Ethernet port 10 / 100 / 1000 Mbit/s, RJ-45)
Certificates	
Certificates	CE-EMC:EN 55032:2015+A1:2020; EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021; EN 55035:2017+A11:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014
Environment	
Operating temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Electrical properties	
Power supply	12 VDC, 2 A
Power consumption	Total NVR power
General information	
Colour	White
Mounting type	In the rack or on the desktop
Sizes	204.6 mm × 206.4 mm × 45.6 mm (8.06" × 8.12" × 1.80")
Net Weight	0.45 kg (0.99 lb)
Gross Weight	1.07 kg (2.36 lb)