

Model	SN-NVR3816E2-J (III) (NVR16H-AI)	SN-NVR3816E2-P16-J (III) (NVR16NPOE-AI)
Picture		
Video Input		
IP Camera Input	16 Channel	
Incoming Bandwidth	160 Mbps (112Mbps with AI enabled)	
Outgoing Bandwidth	160 Mbps (112Mbps with AI enabled)	
Video Output		
HDMI Output	3840 × 2160, 1920 × 1080, 1280 × 1024, 1024 × 768	
VGA Output	1920 × 1080, 1280 × 1024, 1024 × 768	
Decoding Capacity	1ch@12MP / 4ch@4MP / 8ch@1080P/16ch D1 Enable Local Intelligence: 1ch 8MP, 4ch 1080P, 8ch D1, 16ch D1	
Dual Stream	Support	
Multi-screen Display	1/4/9/16	
Recording		
Compression	H.265+ / H.265/H.264+ / H.264	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, D1 etc.	
Record Rate	160 Mbps (112Mbps with AI enabled)	
Record Mode	Manual, Schedule (Regular, Continuous), Event	
Trigger Events	Motion Detection, Video Loss, Alarm in, IVS	
Video Detection and Alarm		
Trigger Events	Recording, Buzzer, Push message, Pop up message.	
Video Detection	Motion Detection, Video Loss, Camera Tamper	
Audio In/Out	1/1	
Alarm In/Out	8/1	8/2
Playback and Backup		
Sync Playback	16/9/4/1	
Search Mode	Time /Date, Alarm, Picture grid, Event	
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom	
Backup Mode	USB Device	
AI Recognition		
Face Comparison	Real-time captured and display faces comparison results (registrant (name and ID), stranger, channel, similarity)	
Multi-objective	Real-time captured and display vehicle, human body, non-motor vehicle, license plates image, and faces comparison results (registrant, stranger, channel, similarity)	
Smart Search	Time, Properties, Pictures, License plate	
Trigger Events	Buzzer, Alarm push, Alarm prompt, Email, Alarm Out, Compare the result simultaneously, etc	
Network		
Network Function	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP	
Network Interface	2 × RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port	
ANR	Support	
Max. User	Access 8 users	Access 9 users
Interoperability	ONVIF, SDK, CGI	
Storage		
Internal HDD	2 SATA Ports, up to 12TB for each HDD	
Disk Group	Support	
Interface		
Interface	2 RJ-45 port (10/100/1000Mbps)	
PoE Max Power	N/A	128W
USB	Front panel: 2 × USB 2.0	Front panel: 2 × USB 2.0, Rear panel: 1 × USB 2.0
General		
Power Supply	DC12V/3A	100 to 240VAC
Power Consumption	< 15W (without HDD)	
Operating Conditions	-10 °C ~ 50 °C (14 °F ~ 122 °F)	
Dimensions	372 × 311.2 × 46.4 mm	
Net Weight	1.8 kg (No disk)	2.1 kg (No disk)