



16 Channel NVR with 16x PoE

CODE: VIPER-NVR-4K2-16BB

NDA
Compliant



IP

8^{4K}
MP



Up to 20TB
Capacity



PTZ
Control



Scheduled
Recording



Dual-Stream
Support

Video

Compression	H.265S / H.265+ / H.265 / H.264
IP Video Input	16CH IPC Input
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080P
Frame Rate	25fps
Network Bandwidth	Incoming: 160Mbps / Outgoing: 160Mbps
Output	HDMI: 3840 x 2160; 1920 x 1080; 1280 x 1024; 1024 x 768 VGA : 1920 x 1080; 1280 x 1024; 1024 x 768
Multi-Screen Display	1 / 4 / 6 / 8 / 9 / 13 / 16
Simultaneous Playback	Max. 16CH
Search	Time Slice; Time; Event; Tag; Smart Search (<i>see below</i>)
Smart Search	Colour coding to display camera footage across selected periods of time.
Functions	Play; Pause; FF; FB; Digital Zoom

Audio

Network Input	16CH IPC Input
Audio Local Input	RCA x1 (2-Way Audio)
Audio Local Output	RCA x1
Compression	G.711(U/A)

Events

Alarm Type	Manual, Sensor, Motion, Exception & Smart Events	
Alarm Input	IPC Alarm Input	
Alarm Output	IPC Alarm Output	
Alarm Trigger	Recording, Snapshot, Buzzer, Preset, Email	
Face	Face Detection	16CH (AI by IPC); 2CH (AI by Device)
	Statistical Graph	Bar Graph
	Statistical Mode	By Day; Week; Month; Quarter; Custom Period



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Events (continued)

Video Structure Analysis	People & Vehicle	16CH (AI by IPC); 2CH (AI by Device)
	Attribute Analysis	People & Vehicle (AI by IPC)
Fisheye		Fisheye Dewarping via NVMS or SuperLive Plus App
Plate Detection		Supported (AI by IPC)

System & Hardware

PoE Interface		RJ45 100Mbps x16
PoE Standard		IEEE802.3AF/AT
PoE Output Power		≤ 150W
Protocol		TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, SMTP, HTTPs, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF
Client Connection		Max. 64 Users Access
OS		Embedded Linux
Video Management Software (PC)		NVMS 2.11 (Standard or Professional)
Mobile App (iOS or Android)		SuperLive Plus
HDD		SATA 3.0 x2 (Max. 10TB each)
Backup	Local	USB Disk
	Network	Supported
USB		USB 2.0 x2
Power Supply		DC48V/3.75A
Power Consumption		< 10W (without HDD)
Operating Environment		Temperature: -10°C to +50°C; Humidity: Less than 90% (non-condensing)
Dimensions		380mm x 268mm x 45mm
Certificate		UKCA, CE, FCC, PSTI 2023, RoHS, WEEE, REACH (EC1907/2006)

Storage Options

Barebones	Code: VIPER-NVR-4K2-16BB
1TB	Code: VIPER-NVR-4K2-16-1TB
2TB	Code: VIPER-NVR-4K2-16-2TB
4TB	Code: VIPER-NVR-4K2-16-4TB
6TB	Code: VIPER-NVR-4K2-16-6TB
8TB	Code: VIPER-NVR-4K2-16-8TB
10TB	Code: VIPER-NVR-4K2-16-10TB
12TB	Code: VIPER-NVR-4K2-16-12TB
16TB	Code: VIPER-NVR-4K2-16-16TB
20TB	Code: VIPER-NVR-4K2-16-20TB