



8 Channel AI NVR with 8x PoE

CODE: VIPER-NVR-AI3-8BB

NDA
Compliant



IP

16
4K
MP



Up to 10TB
Capacity



PTZ
Control



Advanced
AI Features



8CH PoE
Support

Video

Compression	H.265S / H.265+ / H.265 / H.264
IP Video Input	8CH IPC Input
Resolution	16MP; 12MP; 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
Simultaneous Playback	Max. 8CH
Search	Time Slice; Time; Event; Tag; Smart Search (see below)
Smart Search	Colour coding to display camera footage across selected periods of time.
Functions	Play; Pause; FF; FB; Digital Zoom

Audio

Network Input	8CH IPC Input
Audio Local Input	RCA x1 (2-Way Audio)
Audio Local Output	RCA x1
Compression	G.711(U/A)

Events

Alarm Input	IPC Alarm Input
Alarm Output	IPC Alarm Output
Alarm Trigger	Recording, Snapshot, Buzzer, Preset, Email
Perimeter Protection (People & Vehicle Classification)	8CH (AI by IPC); 2CH (1080P Only, AI by Device)
Video Metadata	People & Vehicle Attribute Analysis (AI by IPC)
Fisheye	Fisheye Dewarping via NVMS or SuperLive Plus App
Plate Detection	Supported (AI by IPC)



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Events (continued)

Face Detection	Face Detection Performance (AI by IPC)	8CH
	Face Detection Performance (AI by Device)	2CH (1080P Only)
Face Recognition	Face Match Performance	6CH
	Comparison Capability	18 Images (per second)
	Face Image Database	32 Libraries; 10,000 Face Images
	Face Image Search	Supported
	Database Management	Add; Modify; Delete; Search Face Images
	Face Image Adding	Through Web, App or External Import
	Face Image Comparison	Supports Allow List, Block List & Stranger Match Alarm
	Track	Track Display on Map
	Statistical Graph	Bar Graph
	Statistical Mode	By Day; Week; Month; Quarter; Custom Period

System & Hardware

Network Interface	RJ45 1000Mbps x1
PoE Interface	RJ45 100Mbps x8
PoE Standard	IEEE802.3AF/AT
PoE Output Power	≤ 80W
Protocol	TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, FTP, SMTP, HTTPs, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF
Client Connection	Max. 64 Users Access
OS	Embedded Linux

System & Hardware

Video Management Software (PC)		NVMS 2.11 (Standard or Professional)
Mobile App (iOS or Android)		SuperLive Plus
HDD		SATA x1 (Max. 10TB)
Backup	Local	USB Disk
	Network	Supported
USB		USB 3.0 x1, USB 2.0 x2
RS485		Supported (Full-Duplex) with PTZ or Keyboard
Power Supply		DC48V/2.5A
Power Consumption		< 20W (without HDD, PoE Off)
Operating Environment		Temperature: -10°C to +50°C; Humidity: Less than 90% (non-condensing)
Dimensions		300mm x 249mm x 45mm
Certificate		UKCA, CE, FCC, PSTI 2023, RoHS, WEEE, REACH (EC1907/2006)

Storage Options

Barebones	Code: VIPER-NVR-AI3-8BB
1TB	Code: VIPER-NVR-AI3-8-1TB
2TB	Code: VIPER-NVR-AI3-8-2TB
4TB	Code: VIPER-NVR-AI3-8-4TB
6TB	Code: VIPER-NVR-AI3-8-6TB
8TB	Code: VIPER-NVR-AI3-8-8TB
10TB	Code: VIPER-NVR-AI3-8-10TB