



16 Channel AI Hybrid DVR

CODE: VIPER-4K-AI-16BB

HD

8^{4K}
MP

NDA
Compliant



Up to 20TB
Capacity



PTZ
Control



AI
Features



Dual-Stream
Support

Video

Compression		H.265+ / H.265 / H.264
Analogue Video Input	BNC Inputs	x16
	Resolution	4K; 5MP; 4MP; 3MP; 1080P
IP Video Input	Channels	8CH (Up to 16CH)
	Resolution	Up to 4K/8MP
Frame Rate	Analogue Channel	8fps at 4K; 12fps at 4K Lite, 5MP, 4MP, 3MP; 20fps at 5MP Lite; 25fps at 4MP Lite & 1080P
	IP Channel	25fps at 4K
Network Bandwidth		Incoming: 32Mbps / Outgoing: 96Mbps
Output		HDMI: 3840 x 2160; 1920 x 1080; 1280 x 1024; VGA: 1920 x 1080; 1280 x 1024; 1024 x 768 BNC x1: CVBS (Main or Spot)
Multi-Screen Display		1 / 4 / 6 / 9 / 13 / 16 / 25
Simultaneous Playback		Max. 16CH
Search		Time Slice; Time; Event; Tag; Smart Search (see below)
Functions		Play; Pause; FF; FB; Digital Zoom

Smart Search

Colour coding to display camera footage across selected periods of time.

Audio

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
AI Features	Smart Motion Detection Performance	16CH
	Perimeter Protection Performance	1CH



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4K



System & Hardware

Network Interface		RJ45 100Mbps x1
Protocol		TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, NTP, SMTP, ONVIF
Client Connection		Max. 10 Users Access
OS		Embedded Linux
Video Management Software (PC)		NVMS 2.1.1 (Standard or Professional)
Mobile App (iOS or Android)		SuperLive Plus
HDD		SATA x2 (Max. 10TB each)
Backup	Local	USB Disk
	Network	Supported
USB		USB 2.0 x2
RS485		Supported (Half-Duplex)
Power Supply		DC12V/4A
Power Consumption		< 30W (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-4K-AI-16BB
1TB	Code: VIPER-4K-AI-16-1TB
2TB	Code: VIPER-4K-AI-16-2TB
4TB	Code: VIPER-4K-AI-16-4TB
6TB	Code: VIPER-4K-AI-16-6TB
8TB	Code: VIPER-4K-AI-16-8TB
10TB	Code: VIPER-4K-AI-16-10TB
12TB	Code: VIPER-4K-AI-16-12TB
16TB	Code: VIPER-4K-AI-16-16TB
20TB	Code: VIPER-4K-AI-16-20TB