



# 256 Channel Deep-Learning AI NVR

CODE: VIPDL-NVR-AI2-256BB



Up to 160TB Capacity



PTZ Control



Deep-Learning AI Features



Scheduled Recording

## Video

Compression	H.265S / H.265+ / H.265 / H.264
IP Video Input	256CH IPC Input
Resolution	16MP; 12MP; 8MP; 6MP; 5MP; 4MP; 3MP; 1080P
Network Bandwidth	<b>Incoming:</b> 768Mbps / <b>Outgoing:</b> 768Mbps
Output	<b>HDMI 1:</b> 7680 x 4320; 3840 x 2160; 1920 x 1080; 1280 x 1024; 1024 x 768 When HDMI 1 output is 8K, HDMI 2 is temporarily unavailable and HDMI 3 outputs at a maximum of 1080P <b>HDMI 2:</b> 3840 x 2160; 1920 x 1080; 1280 x 1024; 1024 x 768 <b>HDMI 3:</b> 3840 x 2160; 1920 x 1080; 1280 x 1024; 1024 x 768 <b>HDMI 4:</b> 1920 x 1080; 1280 x 1024; 1024 x 768 <b>VGA :</b> 1920 x 1080; 1280 x 1024; 1024 x 768
Multi-Screen Display (Main)	1 / 4 / 6 / 8 / 9 / 13 / 16 / 25 / 32 / 36 / 64
Simultaneous Playback	Max. 16CH
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	256CH IPC Input
Audio Local Input	RCA x1 (2-Way Audio)
Audio Local Output	RCA x1
HDMI Audio Output	Supported
Compression	G.711(U/A)

## Events

Alarm Type	Manual, Sensor, Motion, Exception & Smart Events
Alarm Input	24CH IPC Alarm Output
Alarm Output	8CH IPC Alarm Output
Alarm Trigger	Recording, Snapshot, Buzzer, Preset, Email
Perimeter Protection (People & Vehicle Classification)	256CH (AI by IPC); 8CH (1080P Only, AI by Device)
Video Metadata	People & Vehicle Classification
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)	256CH
	Face Detection Performance (AI by Device)	4CH (4MP Only)
Face Recognition	Face Match Performance	16CH
	Comparison Capability	36 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

Mobile App (iOS or Android)	SuperLive Plus	
HDD	SATA	SATA x16 (Max. 10TB each)
	RAID	RAID 0, 1, 5, 6 & 10
	E-SATA	x2
USB	USB 3.0 x1, USB 2.0 x3	
RS232	Supported	
RS485	Supported (Full-Duplex) with PTZ or Keyboard	
Power Supply	ATX275W	
Power Consumption	< 50W (without HDD)	
Operating Environment	Temperature: -10°C to +50°C; Humidity: Less than 90% (non-condensing)	
Dimensions	437mm x 483mm x 143mm	
Certificate	UKCA, CE, FCC, PSTI 2023, RoHS, WEEE, REACH (EC1907/2006)	

## System & Hardware

Network Interface	RJ45 x2 (10/100/1000Mbps)
Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, UDP, WebSocket, PPPoE, SNMP, IGMP
Client Connection	Max. 128 Users Access
OS	Embedded Linux
Video Management Software (PC)	NVMS 2.11 (Standard or Professional)

## Storage Options

<b>Barebones</b>	<b>Code:</b> VIPDL-NVR-AI2-256BB
<b>1TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-1TB
<b>2TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-2TB
<b>4TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-4TB
<b>6TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-6TB
<b>8TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-8TB
<b>10TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-10TB
<b>12TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-12TB
<b>16TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-16TB
<b>20TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-20TB
<b>24TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-24TB
<b>30TB</b>	<b>Code:</b> VIPDL-NVR-AI2-256-30TB

Additional storage options exceeding 30TB available upon request