

# AI



# AI-enhanced surveillance.

## Professional AI Series: Intelligent PoE AI NVRs in 16 and 32 channels

The VIP Vision™ Professional AI Series offers advanced technologies to transform the way surveillance works for you. Monitor your operations with greater efficiency, security & reliability using intelligent face recognition, people/vehicle identification & more. Identify strangers & VIPs, create blacklists, search footage playback and receive intelligent alerts to your devices for highly reliable security notifications.

- Record beyond Ultra HD up to 24.0MP (6016 x 4016)
- Up to 320Mbps incoming bandwidth, H.265+ support
- HDD support for up to 40TB footage storage
- Built in PoE switches, ePoE & EoC support for ports 1-8
- Native Ultra HD live view on 4K monitors via HDMI
- Perimeter protection with up to 10 IVS rules per channel for accurate vehicle and people detection
- Identify people for security & business intelligence with up to 16 channels of face recognition (with Ult. AI cameras)
- Receive face recognition & perimeter alerts on device(s)



AI Powered Facial Recognition



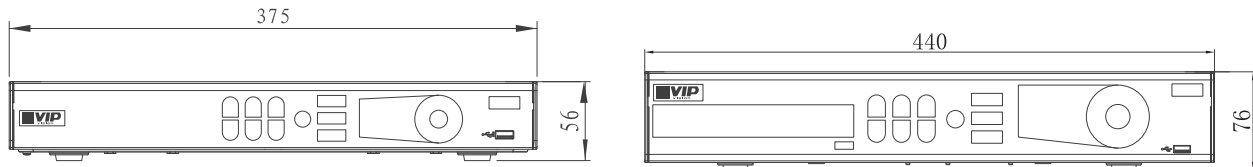
Smart Person & Vehicle Detection



Intelligent Footage Searching

Specifications	16 Channel AI NVR	32 Channel AI NVR
<b>Ordering Information</b>	<b>NVR16PRO-I2</b>	<b>NVR32PRO16P-I2</b>
<b>Main Processor / OS</b>	Multi-core Embedded Processor, Embedded Linux OS	
<b>Video Input</b>	16 Channels	32 Channels
<b>Two-way Talk</b>	1 Channel Input, 1 Channel Output, RCA	
<b>Interoperability</b>	ONVIF 2.4, SDK,CGI	
<b>Video Output</b>	1 x HDMI, 1 x VGA	2 x HDMI, 1 x VGA
<b>Display Resolution</b>	Configurable from 3840 x 2160 to 1024 x 768	
<b>Display Split</b>	1/4/8/9/16	1st screen - 1/4/8/9/16/25/36, 2nd screen - 1/4/8/9/16
<b>OSD</b>	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
<b>Recording Resolution</b>	Configurable from: 16.0MP (4920 x 3264) to D1 (704 x 480)	Configurable from: 24.0MP (6016 x 4016) to D1 (704 x 480)
<b>Incoming Bandwidth</b>	320Mbps (160Mbps when AI function is enabled)	
<b>Decoding Capacity</b>	4 channel: 8.0MP (30fps) / 16 channel: 1080p (30fps)	
<b>Video Compression</b>	H.265+ / H.265 / H.264+ / H.264 / MJPEG	
<b>Record Modes</b>	Manual, Schedule (Continuous, MD (Motion Detection), Alarm, IVS)	
<b>Record Interval</b>	1~120 min (default: 60 min) / Pre-record: 1~30s / Post-record: 10~300s	
<b>Performance</b>	Max. 16 face pictures per second (modeling and comparing)	
<b>Stranger Mode</b>	Approx. 16 channels face recognition with Ultimate AI cameras / Approx. 4 channels face recognition with Professional AI & standard cameras <i>(Performance varies depending on camera and resolution)</i>	
<b>AI Search</b>	Detect strangers face (not in database)	
<b>Database Management</b>	Up to 20 face databases with 100,000/200,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture	
<b>Database Application</b>	Each database can be applied to video channels independently	
<b>Trigger Events</b>	Buzzer, Voice Prompts, Email, snapshot, Recording, Alarm Out, PTZ activation, etc.	
<b>Performance</b>	12 channels, 10 IVS rules for each channel	
<b>AI Search</b>	Search by target classification (Human, Vehicle)	
<b>Object Classification</b>	Human / vehicle secondary recognition for tripwire and intrusion	
<b>Face</b>	Gender, age, glasses, beard, mask	
<b>Vehicle</b>	Vehicle colour, vehicle model, vehicle logo, plate colour, vehicle decorations, call, seatbelt	
<b>Human Body</b>	Tops style, tops colour, bottom style, bottom colour, hat , bag	
<b>Non-motor Vehicle</b>	Type, colour, people, number	
<b>AI Search</b>	Support search target video by metadata	
<b>Alarm Input / Output</b>	4 channel alarm inputs / 2 channel relay output	16 channel alarm inputs / 6 channel relay outputs
<b>Trigger Events</b>	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt , Buzzer & Screen Tips	
<b>Video Detection</b>	Motion Detection, MD Zones: 396 (22 x 18), Video Loss, Tampering & Scene Change	
<b>Playback Sync</b>	1/4/9/16	
<b>Search Modes</b>	Time / Date, Alarm, MD & Exact Search (to the second)	
<b>Backup Modes</b>	USB Device / Network	USB Device / Network / eSATA Device
<b>Ethernet</b>	1 x RJ45 Port (10/100/1000Mbps)	
<b>Power over Ethernet</b>	16 Ports (IEE802.3af/at), 1-8 Ports Support ePoE & EoC	
<b>ePoE Range</b>	300m (100Mbps, 25.5W), 800m (10Mbps, 13W)	
<b>Network Functions</b>	HTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPoE, DDNS, FTP, Alarm server, IP Search (supports VIP Vision cameras/NVRs), P2P	
<b>Max. User Access</b>	128 users	
<b>Remote View</b>	IOS (iPhone,iPad), Android Devices	
<b>Internal HDD</b>	2 x SATA III Ports up to 10TB, max. 20TB HDD capacity	4 x SATA III Ports up to 10TB, max. 40TB HDD capacity
<b>HDD Modes</b>	N/A	
<b>USB Interface</b>	2 x USB Ports (1 x Rear USB 3.0, 1 x Front USB 2.0)	3 x USB Ports (2 x Rear USB 3.0, 1 x Front USB 2.0)
<b>Auxiliary Inputs</b>	1 x RS232 / 1 x RS485	
<b>Power Supply</b>	Single, 100V~240VAC, 50~60Hz	
<b>Power Consumption</b>	<15.6W (without HDD) / PoE: Max 25.5W for single port, 130W total	<21.1W (without HDD) / PoE: 25.5W per port, 150W total
<b>Operating Environment</b>	-10°C ~ +55°C / 0 ~ 90%RH / 86 ~ 106kpa	
<b>Dimensions / Rack Units</b>	375mm x 327mm x 53mm / 1U	440mm x 411mm x 76mm / 1.5U
<b>Weight</b>	2.70kg (without HDD)	5.00kg (without HDD)

### Application



Your local VIP Vision™ IP solutions professional: