



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



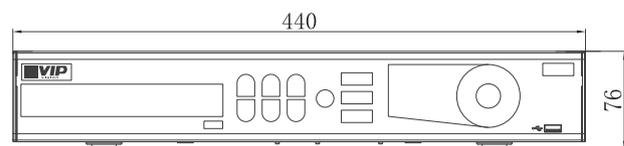
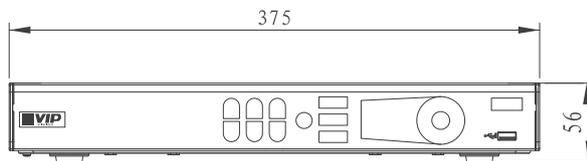
Smart Person & Vehicle Detection



Intelligent Footage Searching

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

Application



Your local VIP Vision™ IP solutions professional: