AI

ARTIFICIAL INTELLIGENCE

AI People & Vehicle Detection

Face Recognition

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 and Ai people and vehicle detection. Identify strangers, set up blacklists, search playback by face and receive people & vehicle surveillance alerts to your devices.

- Record beyond Ultra HD up to 16.0MP (4920 x 3264)
- Up to 320Mbps incoming bandwidth, H.265+ support
- HDD support for up to 56TB 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
General	Product Image		
	Ordering Information	**NVR16PRO-I:** 16 Channel AI NVR (16 x PoE, 8 x ePoE)	**NVR32PRO16P-I:** 32 Channel AI NVR (16 x PoE , 8 x ePoE)
	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	
Display	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	Recording Resolution	Configurable from: 16.0MP (4920 x 3264) to D1 (704 x 480)	
	Incoming Bandwidth	320Mbps (160Mbps when AI function is enabled)	
	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	
Face Recognition	Performance	Max. 22 face pictures per second (modeling and comparing), Approx. 16 channels face recognition with Ultimate AI cameras / Approx. 4 channels face recognition with Professional AI & standard cameras *(Performance varies depending on camera and resolution)*	
	Stranger Mode	Detect strangers face (not in database)	
	AI Search	Up to 8 target face images at the same time	
	Database Management	Up to 20 face databases with 100,000 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.	
Perimeter	Performance	16 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	
Metadata	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	
Features	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
Network	Ethernet	1 RJ45 Ports (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	
Storage	Internal HDD	2 x SATA III Ports up to 8TB, max. 16TB HDD capacity	4 x SATA III Ports up to 14TB, max. 56TB HDD capacity
	HDD Modes	N/A	Single (no RAID compatibility)
	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	
Environment	Power Supply	Single, 100V~240VAC, 40~60Hz	
	Power Consumption	<16.5W (without HD)/ 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	Back Panel Diagram		

Your local VIP Vision™ IP solutions professional: