Vanguard Guardian+ NVR-L16+ AI Series

16 Channel, 16 PoE, AI NVR

* 16 Channel 1U 16PoE Network Video Recorder
* Up to 4 Channel video metadata
* Up to 12 Channel perimeter protection, SMD Plus
* Up to 4 Channel video stream face recognition
* Up to 16 face pictures/sec processing
* Up to 20 face databases with 200,000 face images in total

Perimeter Protection	Face Detection	Face Recognition	Image Search	Heat Map	ANPR
Blocklist Alarm	People counting	False Alarm Filter	SMD Plus	Video Metadata	

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System

Main Processor	High Performance Multi core Embedded Processor
Operating System	Embedded LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Interface	Local GUI &WEB GUI

Video & Audio

IP Camera Input	16 CH
Video Out	1 HDMI, 1 VGA
Display	1/4/8/9/16
Two-Way Talk	1 Channel Input, 1 channel Out, RCA

Recording

Compression	H.265+/H.265/ H.264+/H.264
Alarm Recording	Video loss, Camera blank, Motion detection, External alarm
Recording Resolution	24M/16M/12M/8MP/6MP/5MP/4MP/3MP/ 1080P/720P/D1…etc.
Network Bandwidth	320 Mbps
Recording Mode	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Backup Mode	Network download / USB HDD/USB CD&DVD-RW / eSATA Device

Display

Display Split	1/4/8/9/16
Tour Display	Support
OSD	Camera title, date, time, Transaction Details
Privacy Masking	4 customized zones for privacy masking for each area

Storage

Internal HDD	2 SATA ports up to 24TB, Storage Redundancy

Network

Interface	1 xRJ45 10/100/1000Mbps+ 16 RJ-45 With PoE
Network Function	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, ANR, Alarm Server, IP Search
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information, Search Video by Card Number, Transaction Number.

SMD & Alarm

Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, FTP, Buzzer & Screen tips
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest) Video Loss and Camera Blank
General Alarm	Motion Detection, Privacy masking, Video Loss, PIR alarm, IPC alarm, Device off line, Storage Error,
SMD Plus	Search by Target classification (Human, vehicle)
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Auxiliary Interface

RS232/RS485	1/1
Alarm in/out	4/2
USB	2USB ports (1 on the front-panel,1 on the rear panel)

AI Functions

Face Recognition	Max. 16 faces Pictures /Sec processing 4 channel video stream face recognition /16 picture stream face recognition with Face Detect Camera
Stranger Mode	Detect stranger faces
AI Search	Up to 8 Target faces image Search at same time.
Database Management	20 face Database, 200000 face images in total- name, Gender, Birthday, address.
Trigger Events	Buzzer, Voice Prompts, Email, Snapshots, Recording, Alarm Out, PTZ Activation, Etc.
Alarm Linkage	Voice Recording, Snapshots, log, preset, Tour
Perimeter Protection	12 Ch, Object calcification – Human/Vehicle for tripwire and intrusion
AI Search	Search by Target Classification (Human, Vehicle)

General

Power Supply	AC100V-240V,50-60HZ
Working Environment	-10 ~+55°C / 10~90%RH / 86~106kpa
Dimension (W×D×H)	1U, 375mm×327mm×54mm(W×D×H)
Weight	2.7kg (without HDD)
Warranty	Vanguard 1-year warranty and Vanguard Extended Warranty option