

# Vanguard Guardian+ NVR-2USxx-AI Series

16/32/64 Channels Embedded NVR



## Features:

- H.265/H.264/MJPEG/MPEG4 codec decoding
- Max 320Mbps incoming bandwidth
- Support 8 SATA ports up to 96TB, Raid 0/1/5/6/10
- Up to 16 Channels perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 24 face picture / sec processing
- Up to 20 face databases with 100,000 face images in total



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System		Storage	
Main Processor	Quad-Core embedded processor	Internal HDD	8 SATA ports, Raid 0/1/5/6/10
Operating System	Embedded LINUX	eSATA	1 eSATA
Display		Perimeter Protection	
Interface	2 HDMI, 1 VGA	Performance	16 Ch, 10 IVS rules each channel
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x 768....etc.	Object classification	Human/Vehicle
Display split	The 1 <sup>st</sup> screen: 16Ch: 1/4/8/16 32Ch: 1/4/8/9/16/25/36-64Ch~1/4/8/9/16/25/36 The 2 <sup>nd</sup> Screen: 1/4/8/9/16	Ai Search	Search by Target Human/Vehicle
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Face Recognition	
Recording		Performance	Max.24 face picture/sec processing, 4 Channel Video Stream face recognition /16 Channel picture stream face Recognition (FD camera)
Compression	H.265/H.264/MJPEG/MPEG4	AI Search	Up to 8 Target face images at same time
Resolution	12MP/8MP/6MP/5MP/3MP/1080P/720P/ D1 /etc...	Database Management	Up to 20 faces database with 100,000 face images in total
Record Rate	320 Mbps	Trigger Events	Buzzer, Voice prompt, Email, Snapshots, Recording, Alarm out, PTZ, Activation...
Bit Rate	16kbps~ 20Mbps	Metadata	
Recording Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop	Face	Gender, age, glasses, bread, mask
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Vehicle	Vehicle color, Vehicle model, Vehicle logo, plate, color, bottom, style, bottom color, hat, bag
Video Detection and Alarm		Non-motor Vehicle	Type, color, people number
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Screen tips	AI Search	Support search target video by metadata
Video Detection	Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank	Network	
Alarm Input	16 Ch. Low Level effective	Ethernet	RJ-45 (10/100 /1000 Base-T)
Alarm Output	6 Ch. Relay Contact (1A@24VDC),NO/NC programmable	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UpnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Band width Management, Text Integration, Bonjour, ANR
Playback and Backup		Compatibility	ONVIF, PSIA, CGI
Playback	1/4/9/16	Max. User Access	128 Users
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search	Smart Phone	iPhone, iPad, Android, Windows Phone
Backup Mode	USB Device/Network/Internal SATA burner	Auxiliary Interface	
Play Back Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom	USB Interface	4 ports (2 Rear USB3.0,2 Front USB2.0)
Video		RS232	1 port, For PC communication & Keyboard
IP Camera Input	16/32/64	RS485	1 port, For PTZ control
		eSATA	1 eSATA Port
		General	
		Power Supply	AC 100~240V, 50/60 Hz
		Power Consumption	Max. 40W without HDD
		Working Environment	-10°C~+55°C / 10%~90%RH / 86~106kpa
		Dimension (WxDxH)	2U, 440mmx450mmx95mm
		Weight	9.0KG (without HDD)