

Vanguard Guardian+ NVR-2USxx Series

16/32/64 Channels Embedded NVR



Features:

- Embedded LINUX
- H.265+/H.265/H.264/MJPEG/MPEG4 codec decoding
- Max 320Mbps incoming bandwidth
- Up to 12Mp resolution preview & playback
- 2 HDMI/VGA simultaneous video output
- Support 8 SATA ports, up to 96TB
- Support RAID 0/1/5/6/10
- Support N+M fail over
- Supports 4K Ultra Resolution (3840x2160) for Recording, Live Viewing and Playback
- Multiple network monitoring: Web viewer, CMS

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System	
Main Processor	Quad-Core embedded processor
Operating System	Embedded LINUX
Display	
Interface	2 HDMI, 1 VGA
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x 768....etc.
Display split	The 1 st screen: 16Ch: 1/4/8/16 32Ch: 1/4/8/9/16/25/36- 64Ch"1/4/8/9/16/25/36 The 2 nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Compression	H.265+/H.265/H.264/MJPEG/MPEG4
Resolution	12MP/8MP/6MP/5MP/3MP/1080P/720P/ D1 /etc...
Record Rate	320 Mbps
Bit Rate	16kbps~ 20Mbps
Recording Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank
Alarm Input	16 Ch. Low Level effective
Alarm Output	6 Ch. Relay Contact (1A@24VDC),NO/NC programmable
Playback and Backup	
Playback	1/4/9/16
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Backup Mode	USB Device/Network/Internal SATA burner
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
Video and Audio	
IP Camera Input	16/32/64
Two Way Talk	1/1 Ch Input/output

Storage	
Internal HDD	8 SATA ports, up to 96TB, Raid 0/1/5/6/10
eSATA	1 eSATA
Network	
Ethernet	RJ-45 (10/100 /1000 Base-T)
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
Compatibility	ONVIF, PSIA, CGI
Max. User Access	128 Users
Smart Phone	iPhone, iPad, Android, Windows Phone
Auxiliary Interface	
USB Interface	4 ports (2 Rear USB3.0,2 Front USB2.0)
RS232	1 port, For PC communication & Keyboard
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)
Warranty	Vanguard 1-year warranty and Vanguard Extended Warranty option