



Model	VN4A-16X16
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, Smart On: 2 x 12MP@30, 2 x 4K@30, 6 x 4MP@30, 8 x 3MP@30, 12 x 1080P@30, 16 x 720P@30
Audio Compression	G.711A, G.711U
Network	
Incoming Bandwidth	Smart Off: 320Mbps Smart On: 160Mbps
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP; P2P; NTP; DHCP; PPPoE; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP; NFS; RTSP; IPV6
Browser(Plugin)	Windows:IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above), Edge(version 79 and above)
Video/Audio Input	
IP Video Input	16-ch
RCA Audio Input	1-ch
Video/Audio Output	
HDMI Output (Independent)	HDMI:4K(3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output (Independent)	VGA:1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
RCA Audio Output	1-ch
Liveview Display	1/4/6/8/9/16
Corridor Mode Screen	3/4/5/7/9/10/12/16
Two-way Audio	
Two-way Audio	1-ch, RCA(Using the audio input and output)
Snapshot	
FTP/Schedule/Event Snapshot	4-ch snapshot, up to 4K resolution
Recording	
Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch
Smart	
VCA Detection by IPC	Face Detection; Face Comparison; Vehicle Detection; SIP(Intrusion Detection, Cross Line Detection, Enter Area, Leave Area); Ultra Motion Detection(UMD); Temperature Detection(-Fire Detection, Smoking Detection, Temperature Measurement, Smoke and Fire Detection); People Counting(People Flow Counting, Crowd Density Monitoring); Video Metadata
Smart by NVR	Face Comparison; Smart Intrusion Prevention (SIP); Ultra Motion Detection(UMD)
VCA Search	Face Snapshot Search; Face Comparison Search; Motor Vehicle Search; Non-Motor Vehicle Search; Human Body Search; General Search; People Counting Report; Heat Map
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Face Comparison, Vehicle Detection, Temperature Detection, SIP, UMD, Video Metadata
Face Comparison by NVR with face recognition cameras	8-ch
Face Comparison by NVR with normal cameras (Uses face Detection)	2-ch
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total
Search by Image	Support
Vehicle Picture Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
SIP by NVR	4-ch
UMD by NVR	8-ch
Capacity of Snapshot Records	2 millions records for face snapshot; 2 millions records for vehicle snapshot; 3 millions records for SIP; 2 millions records for video Metadata
Alarm	
General Alarm	Defocus Detection; Scene Change Detection; Object Left Behind; Object Removed; Auto Tracking; Motion Detection; Tampering; Human Body Detection; Video Loss; Alarm Input; Audio Detection

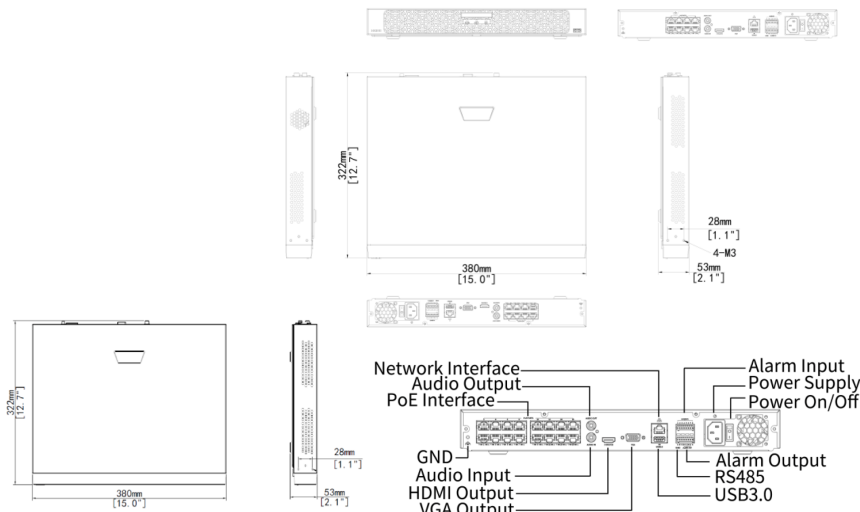
## VN4A-16X16

16 Ch NVR with 16 Plug & Play Ports, 320/160 Mbps, 2 HD Bays, 4K, With Cloud Upgrade and Smart Features

### Features

- Smart Analytic Support/ 4CH SIP Max/ 2CH Face Comparison/ACCU Search
- 16 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 16 Megapixel Resolution Recording
- 320/160 Mbs Bit Rate Input (Smart Mode Off/On)
- Supports up to 16 channel simultaneous playback
- Works with ONVIF or other supported IP cameras (Profile S/G/T)
- Local HDMI main monitor output with 4K Support
- Local VGA main monitor output up to 1080p
- P2P Vision Stream Connect for Networking
- Multiple video search options including Smart Search for quick retrieval of footage
- Ultra H.265/H.265/H.264 video compression
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC

Alert Alarm	IP Conflict; Network Disconnected; Disk Offline; Disk Abnormal; Illegal Access; Hard Disk Space Low; Hard Disk Full; Recording/Snapshot Abnormal; Array Damaged; Array Degraded
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian
Hard Disk	
SATA	2 SATA Interfaces
Capacity	Up to 20TB for each HDD(The maximum HDD capacity varies with environment temperature)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 1
External Interface	
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Front panel: 1 x USB2.0; Rear panel: 1 x USB2.0, 1 x USB3.0
RS485	1
RS232	N/A
Alarm In	8-ch
Alarm Out	2-ch
Power Supply	AC 100~240V
Power Switch	Support
PoE	
Max Power	Max 30W for single port, Max 240W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af
Working Environment	
Working Temperature	14 °F ~ 122 °F (-10 °C ~ 50 °C)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HD D)	≤ 12W
Dimensions	
Weight (without HDD)	≤ 6.0lb (2.7Kg)
Height	1U
Dimensions	15.0 × 12.7 × 2.1" (380mm × 322mm × 53mm)
Certification	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B



### Ordering Information

**VN4A-16X16:** 16 Ch with 16 Plug & Play Ports

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