



The VN3A-UNI is a smart integrated surveillance platform with video input, storage, transfer and device management functions designed specifically for digital surveillance applications. The VN3A-UNI has adopted audio/video compression and decompression, embedded system, storage, network, and smart technologies.

VN3A-UNI

Large System NVR Up To 3,000 Cameras, (4) NIC Cards

Features

- **Stability:** Linux OS, dual-BIOS, redundant power, two-server hot standby
- **Compatibility:** Third-party IP Cameras supported with standard ONVIF
- **Access:** Browser/Server, Client/Server and mobile clients (both iOS and Android)
- **Connection:** 1000 device connections, up to 2000 channels of high-definition network videos
- **Management:** Unified management of NVR, IPC, decoder, network keyboard, cloud devices, alarm control panel and door access control, support devices' configuration import/export
- **Storage:** Max 16 hard disks and 2 disk enclosures; expandable up to 48 disks with 384TB storage, recording backup, IPSAN storage
- **Decoding:** Max 16x1080P decoding outputs in three screens, expandable up to 112x1080P in 15 screens with 2 decoding cards inserted
- **Service:** Live view, playback, sequence, video wall, E-map, two-way audio, and alarm plan
- **VCA:** Support of receiving VCA alarms, configuring alarm-linkage operations, and displaying people counting statistics in reports
- **Reliability:** Support of HTTPS, 802.1x authentication, ARP protection, Telnet enabling/disabling, network fault tolerance, multi-IP configuration, load balancing, secure password and IP address filtering

Video Management	VN3A-UNI
Number of connected cameras per server	Vision Device: 1000 devices or 2000 channels, ONVIF Device: 200 devices
Device management	IPC, NVR, decoder(standard/expanded), network keyboard, cloud devices, alarm control panel and door access control
Numbers of on-line users	300
Numbers of roles per user	16
Bandwidth of video input per server	512Mbps
Bandwidth of video output per server	384Mbps
Decoding	
Video compression	Ultra265, H.265, H.264
Decoding	4x4K@30, 16x1080p@30, 36x720p@30, 64xD1
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/960H/D1/2CIF/CIF/QCIF
Display on video wall	HDMI (x2) and VGA (x1) output; HDMI output supports 4K resolution
Audio compression	G.711A, G.711 μ
Decoding card (Optional)	Max 2 cards supported; models: HDMI4-C and HDMI6-C
HDMI4-C decoding card	4ch HDMI outputs, with decoding of 4*4K@60 or 8*4K@30 or 32*1080P@30 or 64*720P@30
HDMI6-C decoding card	6ch HDMI outputs, with decoding of 6*4K@60 or 12*4K@30 or 48*1080P@30 or 96*720P@30
Storage	
HDD installation	Hot swappable HDDs, Support 16 HDDs up to 18TB WD & 20TB Seagate
RAID mode	RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, RAID60
Bandwidth of video storage per server	512Mbps
Disk enclosure (optional)	Max 2 disk enclosures supported; models: DEU1008 and DEU1016
DEU1008 disk enclosure	8xSATA interfaces, up to 8TB storage per interface
DEU1016 disk enclosure	16xSATA interfaces, up to 8TB storage per interface
Play control	1 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 13 / 16 / 17 / 25 / 32 / 36 / 64 window display, Corridor format up to 3 auxiliary monitors
Playback	Play NVR recordings, Up to 24 channels for multiple clients ; synchronous playback up to 16 channels for single client
System	
Main Processor	Intel(R) CPU
Memory	4GB DDR3L
Power supply	100-240 VAC (with power on/off switch) Dual-power redundancy
Interface	
Network	4x10M/100M/1000M Base-T adaptive Ethernet interfaces 2x1000M SFP optical interfaces
USB	4xUSB3.0
HDMI	2xHDMI
VGA	1xVGA
Serial	1xRS 232 (RJ45), 1xRS 485 (RJ45)
Alarm input/output	24xalarm inputs, 8xalarm outputs
Power output	12 V DC
Audio alarm	Buzzer
Expansion	1xeSATA interface, 2xminiSAS interfaces, 2xdecoding cards
Others	
Power consumption	≤50W (not including HDD) ≤165W (including HDD)
Operating temperature	14°F to 131°F (-10°C to 55°C)
Operating humidity	10% to 90% (non-condensing)
Weight	≤10.0 Kg
Dimensions (D x W x H)	Height: 3U, support mounting in standard 19" cabinet, 18.8"x19"x5.1" (477.1mm x 481.6 mm x 130.5 mm) including front panel

Ordering Information

VN3A-UNI: Large System NVR Up To 3,000 Cameras