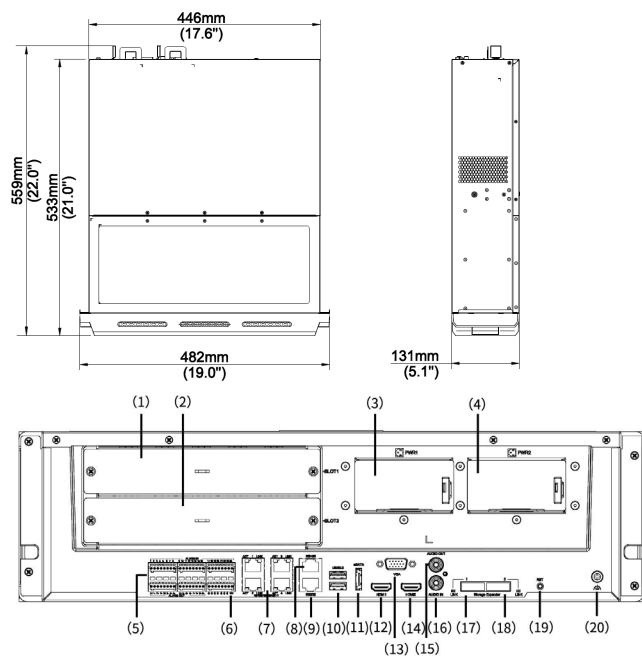## VN3A-128

128 Ch NVR, 512 Mbps, (4) NIC Cards 16 HD Bays, 4K, With Cloud Upgrade

### Features

- 128 Channel IP Camera Input*
- Up to 12 Megapixel Resolution Recording
- 512 Mbs Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Works with ONVIF or other supported IP cameras
- Local HDMI main monitor output with 4K Support
- Local VGA main monitor output up to 1080p
- P2P Vision Stream Connect for Networking
- Smart Analytic Support/64ch SIP Max
- Multiple video search options including Smart Search for quick retrieval of footage.
- Ultra 265, H.265/H.264 video compression
- Supports Native Chrome/EDGE Use
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) to manage multiple units & sites from a single platform
- Free MAC client software to easily manage your system from your Apple computer
- NDAA Compliant

*Records 128 Channels and Displays up to 64 Channels at one time. To view all 128 channels simultaneously you must utilize the VIS-HDMI4A/VIS-HDMI7A 4-Port Expansion Card.

| Model | VN3A-128 |
|---|---|
| **Video/Audio Input** | |
| IP Video Input | 128-ch |
| Two-way Audio Input | 1-ch, RCA |
| **Network** | |
| Incoming Bandwidth | 512Mbps |
| Outgoing Bandwidth | 512Mbps |
| Remote Users | 128 |
| Protocols | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS |
| Browser | IE(IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome (version 45 and above) for Windows Edge(version 79 and above) for Windows |
| **Video/Audio Output** | |
| HDMI/VGA Output | VGA: 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz HDMI1/HDMI2: 4K (3840x2160)/30Hz, 1920x1080p/60Hz, 1920x1080p/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz |
| Recording Resolution | 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF |
| Audio Output | 1-ch, RCA |
| Audio Compression | G.711A, G.711U |
| Synchronous Playback | 16-ch |
| Live View Display | VGA: 1/4/6/8/9/16/25/36 HDMI1, HDMI2: 1/4/6/8/9/16/25/36/64 |
| Corridor Mode Screen | 3/4/5/7/9/10/12/16/32 |
| **Snapshot** | |
| FTP/Schedule/Event Snapshot | 128-ch snapshot, up to 4K resolution |
| **Decoding** | |
| Decoding format | Ultra 265, H.265, H.264 |
| Live View/Playback | 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF |
| Capability | 3 x 12MP@25, 4 x 4K@30, 16 x 1080P@30, 32 x 960P@25, 36 x 720P@30, 64 x D1 |
| **Hard Disk** | |
| SATA | 16 SATA interfaces |
| Capacity | Up to 18TB WD & 20TB Seagate |
| Extension board | 2 (Used for HDMI Expansion Cards) |
| miniSAS | 2 miniSAS ports (Used for HDD Expansion Bays) |
| eSATA | 1 eSATA interface, Max 10TB, Archive Only |
| Disk Group | Support |
| Disk Array Type | RAID 0, 1, 5, 6, 10, 50, 60 |
| **Smart** | |
| VCA Detection by IPC | Face Detection, Face Comparison, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Temperature Detection(Fire Detection,Smoking Detection, Temperature Measurement, Smoke and Fire Detection), Ultra Motion Detection(UMD), Mixed-Traffic Detection, Traffic Monitoring |
| VCA Search | Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, Search by Image, People Counting Report |
| People Counting | People Flow Counting, Crowd Density Monitoring |
| Smart Intrusion Prevention (SIP), Vehicle Detection, Face Detection, Face Comparison, Temperature Detection, UMD by Camera | Total 64-ch |
| Face Picture Library | Up to 128 face picture libraries, with up to 500,000 face pictures in total |
| **External Interface** | |
| Network Interface | 4 RJ-45 10M/100M/1000M adaptive Ethernet Interface |
| USB Interface | Front panel: 2 x USB2.0, Rear panel: 2 x USB3.0 |
| RS232 | 1 |
| RS485 | 1 |
| Alarm In | 24-ch |
| Alarm Out | 8-ch |
| Power Output | 12V, 1 AmP |
| **General** | |
| Power Supply | 100 ~ 240V AC Power Consumption: ≤ 65 W (without HDD) |
| Working Environment | +14°F ~ +131°F ( -10°C ~ + 55°C ), Humidity ≤ 90% RH (non-condensing) |
| Dimensions | 21.0" × 19.0" × 5.1" (533mm × 482mm × 131.0mm ) |
| Weight ( without HDD ) | 27.6 lb ( ≤ 12.5  Kg ) |
| **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 |

| (1) Slot1 | (2) Slot2 | (3) Power Supply 1 |
|---|---|---|
| (4) Power Supply 2 (optional) | (5) Alarm In/Out | (6) 12V DC Output |
| (7) Network Interface | (8) RS485 | (9) RS232 |
| (10) USB3.0 | (11) eSATA | (12) HDMI1 Output |
| (13) VGA Output | (14) HDMI2 Output | (15) Audio Output |
| (16) Audio Input | (17) miniSAS | (18) miniSAS |
| (19) RST | (20) GND | |

### Ordering Information
**VN3A-128:** 128 Ch NVR

*InVid Tech, reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.*