# VOOST-NVR-B16T

## 16CH Network Video Recorder

- **High resolution camera support** (12MP Camera support)
- **H.265, H.264, MPEG-4, JPEG Codec Decoding**
- **Robust Security** (Recorded video encryption & RTP/RTSP encrypted transmission)
- **Various Additional Features** (Intelligent video/sound analysis, external equipment connection, audio broadcasting)
- **4K UHD Dual Monitor Support**
- **Equipped with 8 HDDs**
- **Non-disruptive Service** (N:1 Failover)
- **CMS, Android Mobile App Available**

## Product Key Features

### High-performance Video Display

- INTEL, NVIDIA HW codec decoding & display
- Reduced CPU load with GPU video decoding

### Leverage different camera resolutions

- Leverage 4 different resolutions simultaneously from a single camera
- High res. Low res., continuous/event recording, and image analysis

### Easy Device Management

- Preview & device search for ONVIF & various manufacturer protocol
- Device registration & backup with Excel

### Various Recording/Search functions

- Continuous, Event, Continuous+Event Recording
- Playback control using jog shuttle
- Quick search with mouse drag and scroll
- Full frame playback when reverse playback (based on 1 channel)

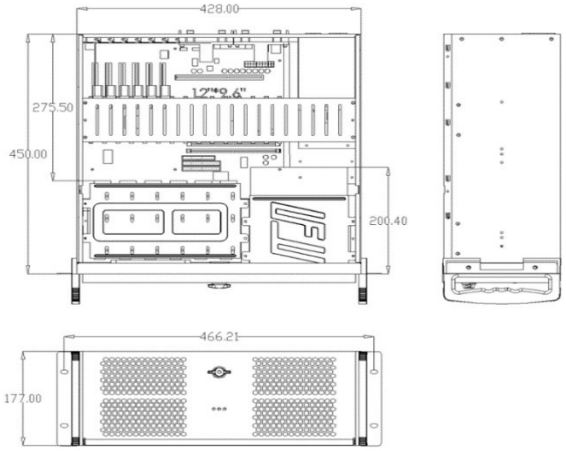
### Distinctive Management Capabilities

- Real-time graph-based recording devices, cameras, and connection status management
- Real-time fault status and history management
- Manage various logs for systems, events, users, and devices
- Provides statistical information based on data by period, device, and type

### Various Additional Features

- N:1 failover support
- Intelligent image/sound analysis (intelligent image analysis, abnormal sound source, vehicle number recognition, thermal image)
- Interworking with various external equipment (emergency bell, elevator, wall pad, IoT sensor, admission control, fire alarm, etc.)
- Text to Speech (TTS)-based audio broadcasting
- Operations using 2.5D E-Map
- Fisheye lens camera de-wapping support (12MP camera support)

## Exterior / Dimensions




## Product Specifications

### Display

| | | | |
|---|---|---|---|
| Display | Network Camera | Input | 16CH |
| | | Resolution | QCIF ~ 4K |
| | | Protocol | ONVIF, RTSP, Local / Global Manufacturer Protocol |
| | Live | Monitor resolution | 1280 x 800 or higher |
| | | Live performance | Full-HD @ 480fps |
| | | Split screen | 1, 4, 9, 16, asymmetric |
| | | Video codec | MJPEG, MPEG-4, H.264, H.265 |

### Function / Performance

| | | | |
|---|---|---|---|
| Software | Recording | Video codec | MJPEG, MPEG-4, H.264, H.265 |
| | | Resolution | QCIF ~ 12MP |
| | | Recording performance | Full-HD @ 480fps |
| | | Recording mode | Manual, continuous, event, continuous+event |
| | | Event type | Camera events (movement detection, alarm input detection, image loss, audio detection, boundary crossing, vehicle number, thermal detection) Intelligent image analysis events (intrusion, speculation, theft, roaming, safety helmet, mask, abnormal sound source, walking safety, water level, reverse driving, face detection, incapacitation) IoT device events |
| | | Event action | Image pop-up, warning tone, warning light, instant viewer, preset movement, Alarm output, CGI, audio broadcasting |
| | Search / Playback | Resolution | QCIF ~ 12MP |
| | | Search mode | Calendar, time, event list search, bookmark |
| | | Simultaneous playback | 16 split screen |
| | | Playback control | x0.5 to x32 forward/reverse playback, jog shuttle, skip frame/hour units |
| | Back up | File format | EXE, AVI, MP4 |
| | | Function | Manual backup of up to 16 simultaneous channels, password setting, anti-forgery |
| | Audio | Codec | PCM, G.711, G.726, AAC |
| | | Two-way | Supported |
| | Camera setting | Registration | Auto Scan / Manual Registration / Preview |
| | | Settings | IP settings, profile settings (high resolution stream, high resolution bitrate, Low resolution stream, low resolution bit rate) |
| | Time synchronization | | NTP server, GPS receiver |
| | PTZ | Control | Mouse, Keyboard, Joystick (WTX-1300, HUK5000N(P), KSC-3000U, SPC2001), On Screen |
| | | Preset | Max 256 |
| | Fault management | Failover | N : 1 (Active-Standby)Support |
| | System control | | Mouse, keyboard |
| | System log | | system logs, event logs, user logs, device logs |
| | CMS | | Default |
| OS | | | Windows11 IoT Enterprise 64bit |
| Hardware | CPU | | Intel i3 Processors |
| | RAM | | 16GB |
| | OS SSD | | 128GB |
| | Storage HDD | | Max 4 of 3.5inch HDDs |
| | RAID | | N/A |
| | Video Output | | D-SUB, DVI-D, HDMI, DisplayPort |
| | NIC | | Gigabit Ethernet RJ-45 (1000 Base-T) 1EA |

### Other Specifications

| | | |
|---|---|---|
| Power | Power Supply | 100 ~ 240V AC, 50/60Hz |
| | Power Consumption | 500W 80PLUS Bronze |
| Environment | Temperature and Humidity | Operating temperature 5-40℃ / Operating humidity 20 - 70% |
| 기구 | Form Factor | 4U, rack mount |
| | Dimensions | 428(W) x 450(D) x 177(H) mm |
| | Weight | 13kg (HDD excluded) |

Changes may be made without prior notice to enhance software functionality.

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