VOOST-NVR-B16S

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)

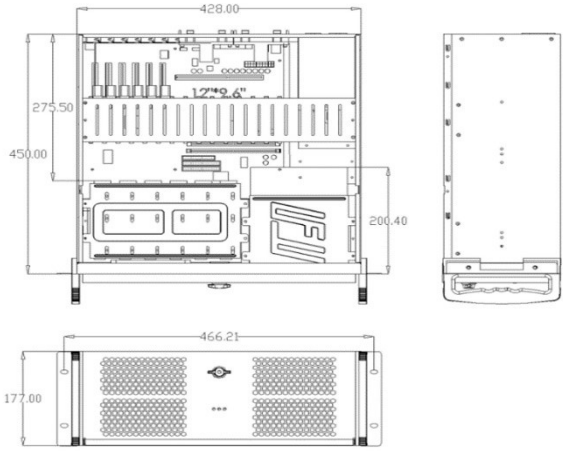
Distinctive Management Capabilities

- 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 i7 Processors
	RAM		16GB
	OS SSD		128GB
	Storage HDD		Max 8 of 3.5inch HDDs
	RAID		N/A
	Video Output		D-SUB, HDMI, DisplayPort
	NIC		Gigabit Ethernet RJ-45 (1000 Base-T) 2EA

Other Specifications

Power	Power Supply	100 ~ 240V AC, 50/60Hz
	Power Consumption	650W 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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