

# VOOST-NVR-M12100E ○ 100CH 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 12 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)

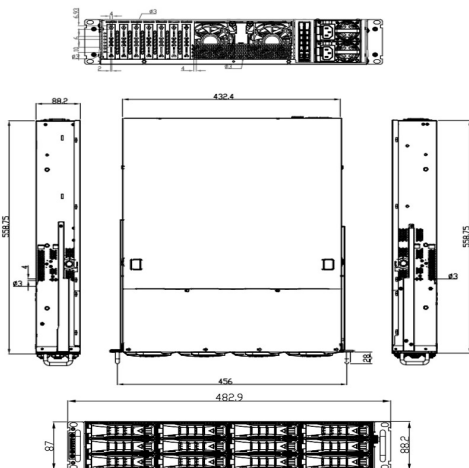
### Distinctive Management Capabilities

- 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-warping support (12MP camera support)

## ○ Exterior / Dimensions



## ○ Product Specifications

Display			
Network Camera	Input	100CH	
	Resolution	QCIF ~ 4K	
	Protocol	ONVIF, RTSP, Local / Global Manufacturer Protocol	
Display	Live	Monitor resolution	1280 x 800 or higher
		Live performance	Full-HD @ 750fps or D1 @ 1920fps or CIF @ 3840fps
	Split screen	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 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 @ 3000fps
		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	25 split screen
Back up	Playback control	x0.5 to x32 forward/reverse playback, jog shuttle, skip frame/hour units	
	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
Camera setting	Two-way	Supported	
	Registration	Auto Scan / Manual Registration / Preview	
	Settings	IP settings, profile settings (high resolution stream, high resolution bitrate, Low resolution stream, low resolution bitrate)	
PTZ	Time synchronization NTP server, GPS receiver		
	Control	Mouse, Keyboard, Joystick (WTX-1300, HUK5000N(P), KSC-3000U, SPC2001, USB), 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			
Hardware	OS Windows 11 IoT Enterprise 64bit		
	CPU	Intel Xeon Processors	
	RAM	32GB	
	OS SSD	256GB*2 / Raid-1 Support	
	Storage HDD	Max 12 of 3.5inch HDDs	
	RAID	0, 1, 5, 6	
	Video Output	DVI-D, HDMI, DisplayPort	
NIC Gigabit Ethernet RJ-45 (1 x 1Gb, 1 x 2.5Gb) 2EA			

Other Specifications		
Power	Power Supply	100 ~ 240V AC, 50/60Hz
	Power Consumption	550W 80PLUS Platinum Redundant
Environment	Temperature and Humidity	Operating temperature 5~40°C / Operating humidity 20 ~ 70%
		Form Factor
기구	Dimensions	430(W) x 560(D) x 89(H) mm
	Weight	23.5kg (HDD excluded)