



- High resolution camera support(12MP Camera support)
- H.265+, 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**
- Non-disruptive Service** (N:1 Failover)
- CMS, Android, iPhone 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)

### System Configuration



### 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, split screen	
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	
	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 bitrate)
	Time synchronization		NTP server, GPS receiver
PTZ	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	
OS		Windows11 IoT Enterprise 64bit	

### Recommended Specifications

Server Recommendation	CPU	Intel i3 Processors or higher
	RAM	16GB or higher
	OS SSD	30GB or higher
	저장 HDD	Unlimited
	RAID	RAID Storage support
	NIC	Gigabit Ethernet RJ-45 (1000 Base-T) 1EA or higher
Power supply		500W 80PLUS Bronze or higher
Client Recommendation	CPU	Intel i7 Processors
	RAM	16GB or higher
	OS HDD	SSD 128GB or higher
	HDD	1TB or higher
	VGA	NVIDIA GeForce RTX RTX 2060 6GB or higher
	NIC	Gigabit Ethernet RJ-45 (1000 Base-T) 1EA or higher
Power supply		500W 80PLUS Bronze or higher