

ENTERPRISE CLASS Recording Server

Built-in RAID 0/1/5/6/10/50/60



ENX-256HD-2T / ENX-256HD-4T

256 Channel Recording Server



Features:

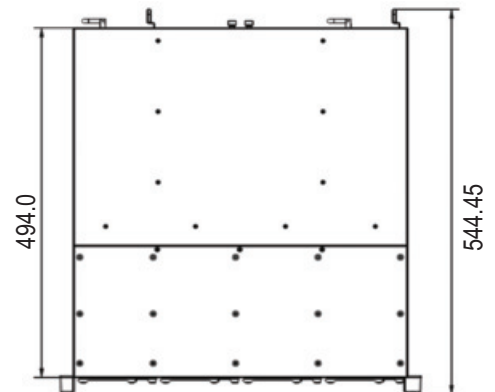
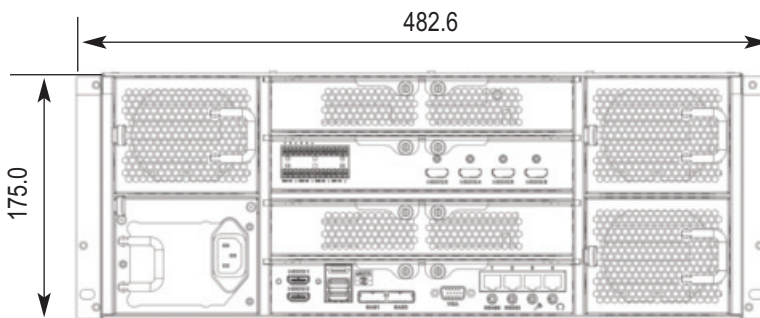
- Intel Quad core CPU (3.4GHz-3.9GHz)
- Max 256 IP Camera Inputs
- Max 512Mbps Incoming Bandwidth
- 24 Hot-swap HDDs
- Supports RAID 0/1/5/6/10/50/60
- SCSI and Mini SAS for Expanded Storage Space
- Optional HDMI Output Extension Board with 8 HDMI
- Easy Local GUI & WEB GUI with mouse control
- Smart Tracking and Intelligent Video
- ONVIF cameras integration with limited partners
- Supported by eVMS-PRO (Enterprise Class VMS software)

VMS-PRO

Enterprise Class VMS Solution



Dimensions:



PRODUCT OVERVIEW

256 Channel Ultra Recording Server is a high performance Recording Server with telecommunication level reliability and stability for IP video surveillance applications. For applications where details are critical for identification, this enterprise-level Recording Server provides a powerful Intel processor. Additionally, the Recording Server features a mouse shortcut operation menu, remote management and control, centre storage, edge storage and back up storage.

ENX-256 is ideal for a wide range of applications such as public safety, transportation stations, government institutions, hotel resorts, shopping malls, city centers, and financial institutions, where demand expansion flexibility, high reliability and centralized storage management.

The Recording Server is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF 2.4.

SYSTEM FUNCTIONS

Intelligent Video System

With built-in intelligent video analytics, the Recording Server has the ability to detect and analyze moving objects for improved video surveillance. The Recording Server provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Heat Map

The Recording Server's Heat Map option highlights the areas with the highest concentration of people. This information can then be exported into a customized report to assist in business or forensic analysis.

Smart Tracking

The auto tracking PTZ feature automatically tracks a moving target throughout the camera's field of view. This function is ideal for following an object as it moves through airports, parking lots, city centers, or other applications.

ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to Recording Server and then recorded in it.

Fisheye Dewarping

The Recording Server features multiple fisheye dewarping modes to make viewing video easy whether its live or during playback.

RAID 0/1/5/6/10/50/60

Offering a balance between storage performance, storage capacity and data integrity, the Recording Server features Fruitful RAID 0/1/5/6/10/50/60 for faster and safer recording.

N+M Hot Standby

The highly reliable redundancy N+M Hot Standby design provides a secure, failover technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

Model	ENX-256HD-2T, 4T
System	
Main Processor	Intel Core i7 Processor
Operating System	Embedded LINUX
Motherboard	Embedded Board (Support 7x24 operation)
Memory	8GB DDR3 (Up to 16GB)
Interface	Local GUI & WEB GUI
Display	
Interface	2 HDMI, 1 VGA 4 HDMI (Optional)
Resolution	1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36/64 2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank
Alarm input	4 Channel, Low Level Effective, Green Terminal Interface
Relay Output	4 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm, etc.
Playback and Backup	
Playback	128 Mbps in Raid 5 Mode 64 Mbps in single HDD Mode
Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network
Storage	
Internal HDD	24 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, RAID 0/1/5/6/10/50/60 (Support Global HDD Hot-spare)
eSATA	1 eSATA Port
SAS	2 Mini SAS Port, for Storage Expansion
Auxiliary Interface	
Front Cover	Support Hot-swap
USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

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Third-party Support	
Third-party Support	Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, Arecont Vision, Axis, Bosch, Brickom, Canon, Dynacolor, Honeywell, Panasonic and more
Audio and Video	
IP Camera Input	256 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Recording	
Compression	H.264 / MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P etc.
Record Rate	512Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Camera Blank, Video Loss), Alarm, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Network	
Interface	4 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
PoE	N/A
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support WatchNET IP camera, DVR, NVS, etc.)
Optical Fiber Interface	2 Giga Optical Fiber Interface
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Electric	
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<200W (Without HDD)
Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction	
Dimensions(W×D×H)	4U, 482.6mm x 544.45mm x 175mm (19" x 21.4" x 6.9")
Net Weight	24.5kg (54.0 lb) (without HDD)
Gross Weight	37.5kg (82.7 lb)
Installation	Rack-mounted
Certifications	CE, FCC, UL

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