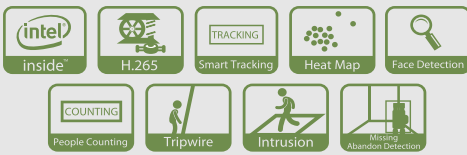


◆ NVR-E64-8VA ◆



64 Channel Ultra 4K&H.265 Network Video Recorder

Features

- ◆ Intel Processor
- ◆ Max 64/128 IP Camera Inputs
- ◆ Max 384Mbps Incoming Bandwidth
- ◆ Up to 12MP Resolution for Preview and Playback
- ◆ Supports RAID 0/1/5/6/10
- ◆ Smart Tracking and Intelligent Video

System Overview

The next generation network video recorder offers unparalleled recording technology for IP video surveillance applications. For applications where details are critical for identification, this enterprise-level NVR provides a powerful Intel processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage.

This NVR 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 NVR 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, enabling interoperability when combined with 4K cameras.

Functions

RAID 0/1/5/6/10

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features Fruitfull RAID 0/1/5/6/10 for faster and safer recording.

4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

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.

Fisheye Dewarping

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

Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the fuzzy search algorithm.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR 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 Face Detection, for searching or identification of individuals.

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 NVR and then recorded in it.

Heat Map

The NVR'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.

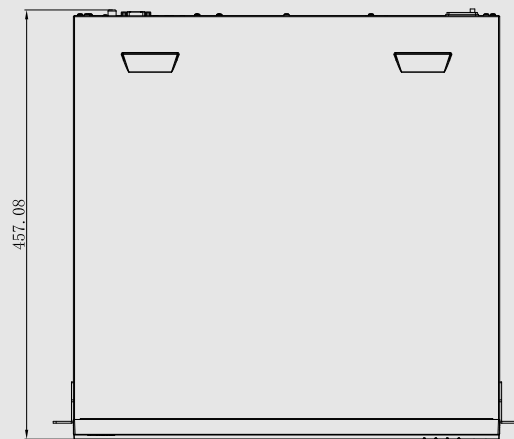
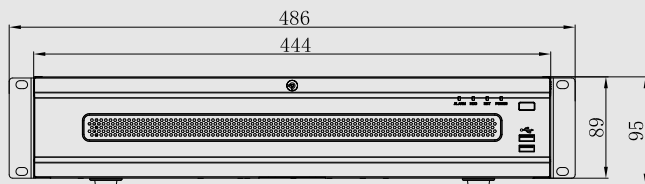
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Technical Specification	
System	
Main Processor	Intel Quad-core Processor
Operating System	Embedded LINUX
Audio and Video	
IP Camera Input	64 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Display	
Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA
Resolution	3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Compression	H.265/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P etc.
Record Rate	384Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, MD (Motion Detection), Alarm, IVS), Holiday, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
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 Tampering
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	Zoom, Tracking, Recording, Preset, 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/eSATA Device
Third-party Support	
Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more

Network	
Interface	2 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port	2 Ethernet Ports Joint Working or 2 Independent 1000Mbps Ethernet Ports
PoE	N/A
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search
Optical Fiber Interface	N/A
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Storage	
Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, Raid 0/1/5/6/10(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)
SAS	N/A
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
Electrical	
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<20W (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	2U, 444mm x 457.08mm x 95mm (17.5" x 18" x 3.7")
Net Weight	9kg (19.8 lb) (without HDD)
Gross Weight	10.5kg (23.1 lb)
Installation	Rack-mounted
Certifications	
CE	EN55022, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1 and CAN/CSA C22.2 No.60950-1

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Dimensions(mm)



Accessories



ESS1504C