

NVR-8128K-DR

128 CH. Embedded 4K NVR, 16 HDD



- 128 Channels of High-Definition video
- 384Mbps of total bandwidth
- 16 SATA III ports, up to 128TB
- 4 RJ-45 Ethernet ports (10 / 100 / 1000Mbps)
- ONVIF 2.4
- 2 HDMI & 1 VGA port

System Overview

Our top-of-the-line recorder offers massive storage and processing power. It's capable of recording up to 128 channels of high definition video. Best of all, you will be recording and displaying surveillance footage of up to 4K resolution. The built-in video analytics make this a powerful unit ideal for large-scale projects that require smart surveillance

The device supports: tripwire, intrusion, scene change, and object abandon. In addition, the system supports audio baseline detection, so if the audio in a room goes from normal to violent, the system can take a snapshot, send an email, or set off an annunciator or alarm device.

The NVR has redundant 120V power supplies, 4 gigabit Ethernet cards, and up to 16 hard drives with a total built in storage capacity of 128TB. With an Intel i7 processor and 8 gigabytes of RAM, this NVR is built for the toughest jobs.

RAID 0/1/5/10

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

Fisheye Dewarping

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

N+M Hot Standby

The highly reliable redundant 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.

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 predetermined line has been crossed, People Counting, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Technical Specification

System

Main Processor	Intel Quad-core Processor
Operating System	Embedded LINUX

Video

Max IP Channels	128
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Audio

Two-way Talk	1 Channel Input, 1 Channel Output, RCA
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Display

Interface	2 HDMI (up to 3840 × 2160 , Different Source), 1 VGA
Resolution	3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Display Split	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.265/H.264/MJPEG
Image 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 & 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

Playback & Backup

Sync 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 Functions	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

Network

Ethernet/Fiber	4 RJ-45 Ports (10/100/1000Mbps) 2 Giga Optical Fiber Interface
PoE	N/A
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
Network Functions	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone
Interoperability	ONVIF 2.4, CGI Conformant

Storage

Internal HDD	16 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, Raid 0/1/5/10(Enterprise-level HDDs are recommended), Support Global HDD Hot-spare
External HDD	1 eSATA port
SAS	1 Mini SAS Port, for Storage Expansion

Auxiliary Interface

Front Cover	Support Hot-swap, 7-inch HD LCD
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

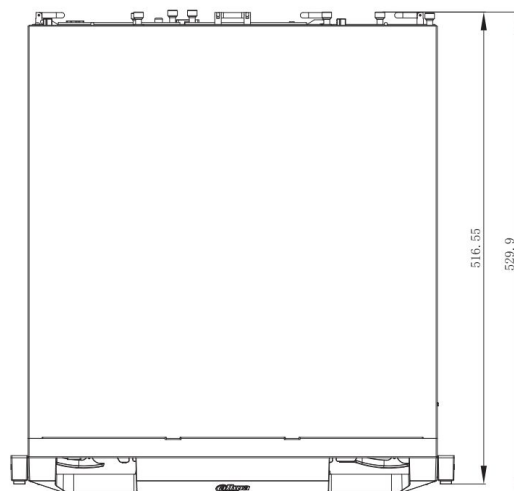
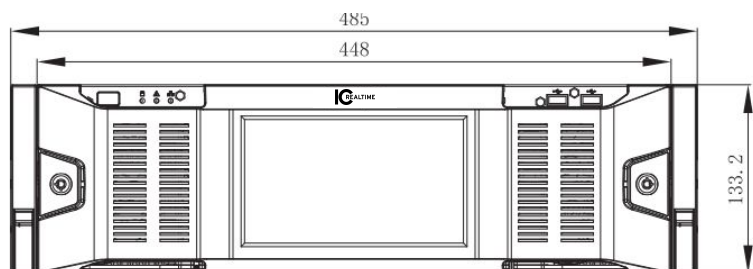
General

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz, Redundant
Power Consumption	<51W (Without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Dimensions (W×D×H)	3U, 485mm x 529.9mm x 133.2mm (19.1" x 20.9" x 5.2")
Weight	29kg (63.9 lb)

Certifications

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/in)



Panels

