

NVR-EL32-4KS2

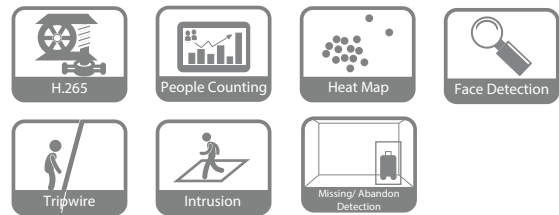
32 Channel 4K NVR



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- 2 HDMI/2 VGA simultaneous video output

System Overview

This NVR is capable of delivering 4K resolution and thanks to the ONVIF 2.4 compatibility, you'll have interoperability with a wide range of IP cameras. This recorder is the latest of our ultra-high definition recorders and on each channel, you can record cameras with resolutions as high as 8MP and as low as 720p. The 8MP resolution can really come in handy when detail is of the utmost importance and features like cars, tattoos, license plates, clothing, etc. could make the difference between you being able to identify a criminal or not. The NVR runs on a Quad-Core processor and has an embedded user-friendly Linux OS that ensures stability. The GUI (Graphical User Interface) makes for a simple configuration of your new NVR so you can set up your viewing, recording, and storage options.



Features

Smart H.265+

Smart H.265+ technology is a collection of intelligent encoding algorithms based on H.265. Smart H.265+ codec can effectively enhance video encoding efficiency according to the characteristics of different surveillance environments, it can also greatly reduce transmission bit rate, storage capacity to improve the overall system.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically stores video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. This NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

ANPR

Automatic Number Plate Recognition is available for convenient entrance/exit management. This feature supports license plate recognition, black/white list import/export, add/delete B/W list number, search result from recorded video.

Point of Sale (POS)

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

Smart Fan

This NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speeds according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs.

Technical Specification

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Audio and Video

IP Camera Input	32 Channel
Two-way Talk	1 Channel Input, 2 Channel Output, RCA

Display

Interface	2 HDMI, 2 VGA
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	HDMI2/VGA2: 1920 × 1080
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording

Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, MD(Motion Detection) , Alarm, IVS), 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, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	16 Channel
Relay Output	6 Channel

Playback and Backup

Sync Playback	1/4/9/16
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, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device

Third-party Support

Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more
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Network

Interface	2 RJ-45 Ports (10/100/1000Mbps) Independent or Joint Working
PoE	N/A
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4IP
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, SDK, CGI

Storage

Internal HDD	8 SATA III Ports, Up to 10 TB capacity for each HDD
eSATA	1 eSATA

Auxiliary Interface

USB	4 USB Ports (2 Rear USB 3.0 , 2 Front USB 2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

Electrical

Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<16.7W (Without HDD)
Fan	Smart fan, automatically adjust running speed

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

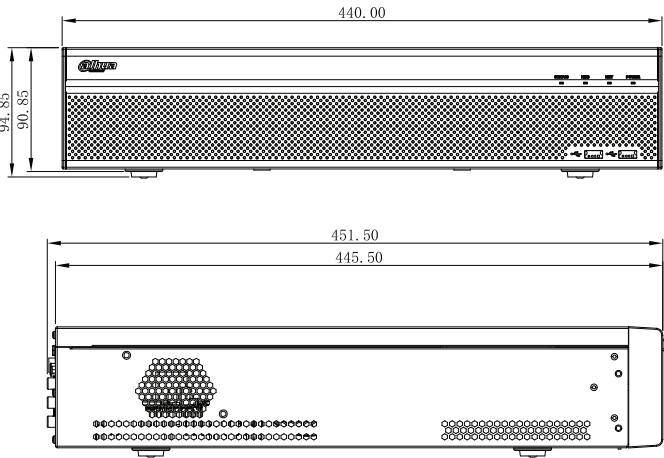
Construction

Dimensions	2U, 440mm x 451.5mm x 94.9mm ; (17.3" x 17.7" x 3.7")
Net Weight	6.55kg (14.4 lb) (without HDD)
Gross Weight	9.5kg (20.94 lb) (without HDD)
Installation	Rack-mounted

Certifications

CE	EN55022, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

Dimensions



Rear Panel

