

NVR-EL32C-16P4KS2

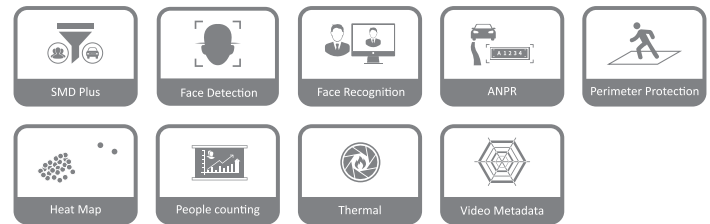
32 Ch 4K PoE NVR



- 32 channel IP video access
- Max 320 Mbps incoming bandwidth
- Up to 24MP resolution for live view and playback
- Smart H.265+/Smart H.264+/H.265/H.264/MJPEG
- 1-channel fisheye dewarping
- Support IPC UPnP, 16 PoE ports

System Overview

Don't allow bad choices of security products to affect your ability to monitor your home or business and keep it safe. Security Camera King introduces an updated version of this 32 channel NVR that comes with 16 ports of built in PoE. You'll be able to record up to 32 IP cameras with a maximum resolution of 8MP each and 320Mbps total incoming bandwidth. There's nothing like looking at security video footage and being able to actually see detail! If you've ever been the victim of a crime, you probably know how difficult it can be to prosecute without irrefutable evidence and what's better than crisp, clear, vibrant video.



Features

Perimeter Protection

These functions significantly improve accuracy. Perimeter Protection reduces false alarms and decreases pixel count requirements for object detection it also features custom tripwires based on object type for automation in limited access areas such as pedestrian or vehicle-only zones. This combination of advanced AI analytics and real-time alerts to a desktop or a mobile client reduces system requirements as well as resources, resulting in greater surveillance system efficiency.

Face Detection

Whether you wish to recognize, identify or verify a person, a camera with facial recognition software is an efficient solution. It can help you improve customer service and protect your assets by identifying important customers or potential perpetrators.

SMD Plus

SMD Plus, (Smart Motion Detection Plus), is an upgraded version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm that helps analyzes person and vehicle shapes based on motion.

Video Metadata

Metadata is a feature that extracts attribute information from a target object which then can be used for data retrieval. Facial detection cameras can extract facial attributes and output the metadata for analysis.

ANPR

Utilizing a deep learning algorithm ANPR technology can recognize the license plate information of vehicles detected by an ANPR camera.

Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. This recorder 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.

People Counting

This feature counts the number of people that go in a specified region and the number of people that come out. This is perfect for businesses, banks and anybody who wants to monitor the amount of people coming and going.

Technical Specification

System

Main Processor	Industrial embedded micro-processor
Operating System	Embedded Linux
Operation Interface	Web; local GUI

Perimeter Protection by Camera

Performance	16/20/20 channels
AI Search	Search for pictures by channel, time and event type

Face Recognition by Camera

Performance	14 channels
Face Attributes	6 attributes: Gender; age; glasses; expression; mouth mask; beard
AI Search	Search for pictures by channel, time and face attributes

SMD Plus by Camera

Performance	16/32/64 channels
AI Search	Search by target classification (human, vehicle)

Video Metadata by Camera

Performance	16 channels
Human Body	Top; top color; bottom; bottom color; hat; bag; gender; age; umbrella
Vehicle	Plate No.; type; color; vehicle type; logo; plate color; ornament; calling; seatbelt; region
Non-motor Vehicle	Type; color; number of passengers; helmet
AI Search	Supports searching for target video by metadata

ANPR by Camera

Performance	4 channels
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Stereo Analysis by Camera

Performance	16 channels
AI Search	Search by target classification (fall detection; people approach detection; people No. exception detection; people staying detection; violence detection)

Video

Access Channel	32
Network Bandwidth	320 Mbps for access, 320 Mbps for storage and 320 Mbps for forwarding
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1, and more
Decoding Capability	16-channel@1080P (30 fps)
Video Output	HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720 HDMI2/VGA2: 1920 × 1080 VGA1/HDMI1 homologous output, VGA2/HDMI2 homologous output, and VGA1/HDMI1 and VGA2/HDMI2 supports heterogeneous output
Multi-screen Display	1st Screen: 32-channel: 1/4/8/9/16/25/36
	2nd screen: 1/4/8/9/16

Third Party Camera Access

Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon and more

Compression

Video	Smart H.265+; Smart H.264+; H.265; H.264; MJPEG
Audio	PCM; G.711A; G.711U; G.726

Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, and more.) ; P2P
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (profile T/S/G); CGI; SDK
Browser	Chrome; IE9 or later; Firefox

Record Playback

Multi-channel Playback	1/4/9/16
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent; POS)
Storage Method	Local HDD and network
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off

Storage

Disk Group	Yes
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Alarm

General Alarm	Motion detection; privacy masking; video loss; local alarm; PIR alarm; IPC alarm
Anomaly Alarm	Camera offline; storage error; full storage; IP conflict; MAC conflict; login lock; network security anomaly
Intelligent Alarm	Perimeter protection; face detection; face recognition; SMD; video metadata (human; motor-vehicle; non-motor vehicle) ; ANPR; people counting; stereo analysis; crowd distribution; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log; preset; email

External Port

Audio Input	1 channel, RCA connector
Audio Output	2 channels, RCA connector, which supports voice intercom output
HDD	4 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Alarm Input	16 channels
Alarm Output	6 channels
eSATA	1 eSATA
RS-232	1 channel, used to debug and pass through serial data
RS-485	1 channel, used to control PTZ, and it supports multiple protocols
USB	1 front USB 2.0 port, 2 rear USB 3.0 ports

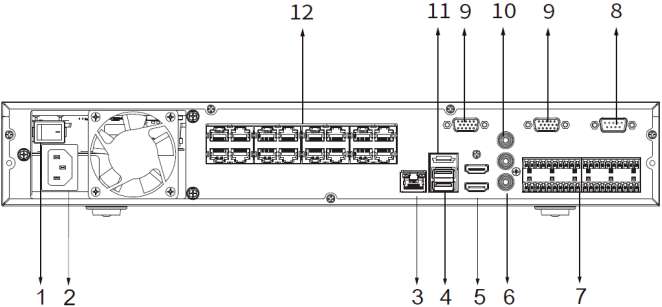
Technical Specification

HDMI	2
VGA	2
Network	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet port
PoE	16 ports (IEEE802.3af/at) 1-8 ports support ePoE & EoC

General Parameter

Power Supply	Single, 100V–240V AC, 50 Hz–60 Hz
Power Consumption	NVR: < 17.5W (without HDD) PoE: Max 25.5W for single port 150W total rated power, 80% control for protection
Net Weight	4.65 kg (10.3 lb) (without HDD)
Gross Weight	7 kg (15.4 lb) (without HDD)
Product Dimensions	440 mm × 412.2 mm × 76.0 mm (17.3" × 16.2" × 3.0")
Package Dimensions	522 mm × 492 mm × 200 mm (20.6" × 19.4" × 7.9")
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	0°C to +40°C (+32°F to +104°F)
Operating Humidity	10%–93% (RH)
Storage Humidity	30%–85% (RH)
Operating Altitude	3,000 m (9,843 ft)
Certifications	CE: EN55032; EN55024; EN50130-4; EN60950-1 FCC: Part 15 Subpart B; ANSI C63.4-2014 UL: UL 60950-1

Rear Panel



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|----------------|-----------------------------|
| 1 Power Switch | 2 Power Input |
| 3 Network Port | 4 USB Ports |
| 5 HDMI Ports | 6 AUDIO IN, RCA Connector |
| 7 Alarm In/Out | 8 RS-232 Port |
| 9 VGA Ports | 10 AUDIO OUT, RCA Connector |
| 11 eSATA Port | 12 PoE Ports |

Dimensions

