

NVR-ELE8-PSV2

ELITE 8 Ch 4K PoE Mini NVR



- Smart H.265+/H.265/Smart H.264+/H.264
- Max 80Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback
- 8 channels 1080p @30 fps. decoding
- HDMI/VGA simultaneous video output

System Overview

The NVR-ELE8-PSV2 is an 8 channel mini NVR with 8 ports of PoE built right in, allowing you to eliminate extra cabling as you can power your cameras directly from the back of the unit. Connect up to 8 IP cameras, which can range in resolution from 1MP all the way up to 8MP or 4K. You can connect the NVR to a monitor using either an HDMI or VGA connection allowing you to complete your security camera setup. You can also utilize your unit for remote monitoring with your phone, tablet or computer as long as you have an internet connection.



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.

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.

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.

Technical Specification

System	
Main Processor	Industrial-grade embedded processor
OS	Embedded Linux
Operation Interface	Web/operating in local GUI

Perimeter Protection by Camera	
Performance	8 channels
AI Search	Search for pictures by channel, time and event type

Face Detection by Camera	
Performance	4 channels
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard
AI Search	Search for pictures by channel, time and face attributes

SMD Plus by Camera	
Performance	8 channels
AI Search	Search by target classification (human, vehicle)

Video	
Access Channel	8
Network Bandwidth	Access: 80 Mbps; Storage: 80 Mbps; Forward: 60 Mbps
Resolution	8MP; 6MP; 5MP; 4MP; 3MP; 1080p; 720p; D1
Decoding Capability	8 × 1080p@30 fps
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI
Multi-screen Display	1, 4, 8, 9 views
Third-party Camera Access	ONVIF; RTSP

Compression	
Video	Smart H.265/H.265/Smart H.264/H.264/MJPEG
Audio	PCM/G711A/G711U/G726/AAC

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

Record Playback	
Multi-channel Playback	Up to 8 channels for playback
Record Mode	Manual record; alarm recording; SMD recording; smart recording
Storage	Local HDD; network
Backup	USB storage device

Playback Function	1. Play/pause/stop/slow/quick/backward/by frame 2. Full screen, backup (video clip/file), partial zoom in, and audio on/off
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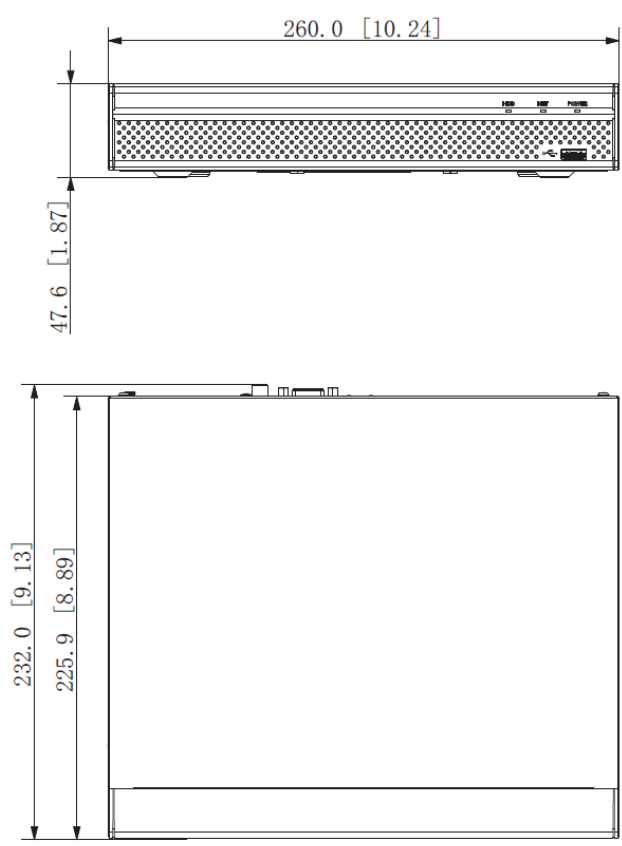
Storage	
Disk Group	Yes

Alarm	
General Alarm	Motion detection, privacy masking, video loss, scene changing, PIR alarm, IPC external alarm
Anomaly Alarm	Camera disconnection, storage error, disk full, IP conflict, MAC conflict, login locked, and cybersecurity exception
Intelligent Alarm	Face detection, perimeter protection (intrusion and tripwire), IVS, people counting, heat map, and SMD alarms
Alarm Linkage	Recording, snapshot, audio, buzzer, log, preset, and email

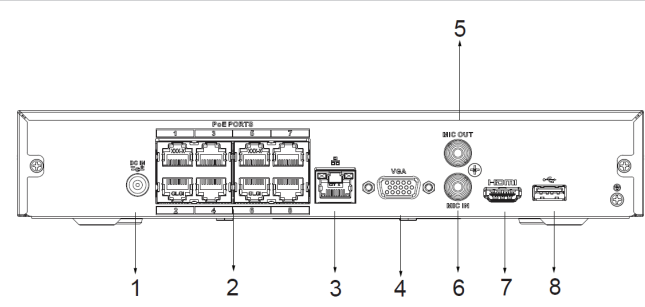
External Port	
Audio Input	1 × RCA input
Audio Output	1 × RCA output
HDD	1 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
USB	2 (1 × front USB2.0; 1 × back USB2.0)
HDMI	1 (supports up to 4K resolution output)
VGA	1
Network	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port
POE	8

General Parameter	
Power Supply	DC48 V/53 V, 2A/1.8 A
Power Consumption	< 10 W (HDD not included, idling) Total output power of PoE is 72W, the maximum output power of a single port is 25.5W
Net Weight	0.92 kg (2.03 lb)
Gross Weight	2.07 kg (4.56 lb)
Product Dimensions	260 mm × 232.5 mm × 50.3 mm (10.24" × 9.15" × 1.98") (W × L × H)
Package Dimensions	117 mm × 373 mm × 307 mm (4.61" × 14.69" × 12.09") (W × L × H)
Operating Conditions	−10 °C to +55 °C (+10 °F to +131 °F)
Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	10%~93%
Storage Humidity	30%~85%
Operating Altitude	3000 m (9842.52 ft)
Installation	Desktop mounted
Certifications	CE: EN62368-1; EN55032,EN55024, EN55035, EN61000-3-2, EN61000-3-3 EN50130-4 FCC: Part 15 Subpart B

Dimensions



Rear Panel



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|---|-------------------------|---|--------------------------|
| 1 | DC Power Input | 2 | PoE Ports |
| 3 | Network Port | 4 | VGA Port |
| 5 | AUDIO IN, RCA Connector | 6 | AUDIO OUT, RCA Connector |
| 7 | HDMI Port | 8 | USB Port |