NE8P2P12-EP
8 Channel 4K NVR

· Smart H.265+/H.265/Smart H.264+/H.264
· Max 320Mbps Incoming Bandwidth
· Up to 12MP Resolution for Preview and Playback
· HDMI/VGA simultaneous video output
· All PoE ports support ePoE & EoC

System Overview

This unit is a eight channel NVR with a built-in POE switch. This creates a private network for the cameras to send the video back to the recorder while keeping that bandwidth separated from your main network. All PoE ports built into this recorder support the new ePoE technology. Smart H.265+ and H.265 are the latest in video compression technology and this recorder can implement them as long as the cameras supports this. The powerful processor in this NVR allows for the unit to run 12MP cameras smoothly. It also has a smart fan in it which adjusts its speed to cut down on noise and extend the life of the NVR.

Lite Series	H.265	COUNTING People Counting	Heat Map
Face Detection	Tripwire	Intrusion	Missing Abandon Detection

Features

Smart H.265+

Smart H.265+ technology is a collection of intelligent encoding algorithms based on H.265. To meet the characteristics of video surveillance, Smart H.265+ adopts some key video encoding techniques can be flexibly added/ deleted or combined according to different applications and products. Smart H.265+ codec can effectively enhance video encoding efficiency according to the characteristics of different surveillance environments; furthermore, it can greatly reduce transmission bit rate, storage capacity to improve the overall system.
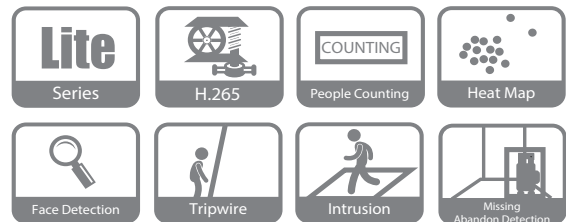
ePoE & EoC

The NVR supports ePoE and EoC technology for use in a broad range of application scenarios. ePoE technology simplifies the network structure of long-range surveillance projects, eliminating the requirement for extra network repeater devices, making the system more reliable and easy to deploy. EoC technology makes it possible to upgrade existing systems to high definition IP surveillance while using existing coax cables.

ANPR

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

Smart Fan

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

Fisheye Dewarping

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

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.

ONVIF

Technical Specification

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Audio and Video

IP Camera Input	8 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	VGA: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Decoding Capability	4-ch@8MP(30fps)
Multi-screen Display	1/4/8/9
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording

Compression	Smart H.265+/H.265/Smart H.264+/H.264
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	4 Channel
Relay Output	2 Channel

Playback and Backup

Sync Playback	1/4/9
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

Third-party Support

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

Network

Interface	1 RJ-45 Port (10/100/1000Mbps)
PoE	8 ports (IEEE802.3af/at) All ports support ePoE & EoC
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.), P2P
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, SDK, CGI

Storage

Internal HDD	2 SATA III Ports, Up to 10 TB capacity for each HDD
eSATA	N/A

Auxiliary Interface

USB	2 USB Ports (1 Rear USB 3.0 , 1 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	NVR: <15.2W (Without HDD)
	PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
Fan	Smart fan, automatically adjust running speed

Environmental

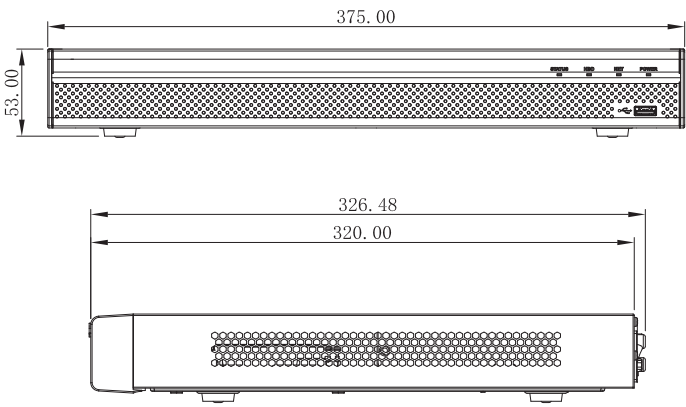|	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	1U, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")
Net Weight	2.7kg (6.0 lb) (without HDD)
Gross Weight	4kg (8.8 lb) (without HDD)

Certifications

CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

Dimensions (mm)

375.00

53.00

326.48

320.00

Rear Panel