

ESP-5464 64 Channel 1.5U Network Video Recorder



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

System Overview

This network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control. Due to its easy-to-install design, the NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centres, education, and financial institutions. The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.

Functions

Easy4ip

The Easy4ip app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere!

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.

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.

ANPR

Automatic Number Plate Recognition available for convenient entrance/exit management. Support license plate recognition (working with ITC camera), black/white list import/export, add/delete B/W list number, search result from recorded video.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

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 analyse specific transactions via the Fuzzy search algorithm.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store 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.

Technical Specification

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX
IP Camera Input	64 Channel
Two-way Talk	1 Channel Input, 2 Channel Output, RCA
Display Interface	2 HDMI, 2 VGA
Resolution	HDMI 1: 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
	VGA 1: 1920×1080, 1280×1024, 1280×720, 1024×768
	HDMI 2 / VGA 2: 1920×1080
Decoding Capability	4-ch @ 8MP(30fps), 16-ch @ 1080P(30fps)
Multi-screen Display	1st Screen 16CH: 1/4/8/9/16 32CH: 1/4/8/9/16/25/36 64CH: 1/4/8/9/16/25/36/64 2nd Screen 1/4/8/9/16
OSD	Camera title, Time, Camera lock, Motion detection, Recording
Focus Control	Fixed
Recording Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Recording Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Bit Rate	16Kbps ~ 20Mbps Per Channel
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
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
Network Interface	2 RJ-45 Ports (10/100/1000Mbps) Independent or Joint Working
PoE	N/A
Max. User Access	128 users
Internal HDD	4 SATA III Ports, Up to 10 TB capacity for each HDD
eSATA	1 eSATA
USB	3 USB Ports (2 Rear USB 3.0 , 1 Front USB 2.0)
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<16.7W (without HDD)
Dimensions	1.5U, 440mm x 411.2mm x 76mm (17.3" x 16.2" x 3.0")
Net Weight	4.3kg (9.5 lb) (without HDD)



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