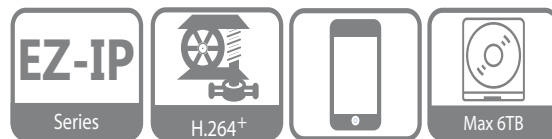**Dahua**
TECHNOLOGY

NVR1A04-4P
4 Channel Smart 1U 4PoE Network Video Recorder

- H.264+/H.264 codec decoding
- Max 4 channel IP camera inputs
- Max 80Mbps incoming bandwidth
- Up to 6MP resolution preview&playback
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 4PoE ports

EZ-IP Series | H.264+ | | Max 6TB

System Overview

The EZ-IP series is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

The EZ-IP series is fully in line with Dahua's quality assurance protocol. Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

Functions

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

ANR (Automatic Network Replenishment 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.

Easy4ip

A smart home security system connects to your home Wi-Fi network so you can monitor and control your security using your smartphone and Easy4ip cloud and app. It allows you to do things like view live and recorded video for your daily life. The store recorded video locally on an SD card or cloud storage. Cloud storage makes it easy to store and access recorded video.

ONVIF

Technical Specification

System

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Audio and Video

IP Camera Input	4 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	1 HDMI, 1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	1/4
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording

Compression	H.264+/H.264
Resolution	6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.
Record Rate	80Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule(Regular(Continuous), MD, 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, Video Push, Snapshot, and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), and Tampering
Alarm input	N/A
Relay Output	N/A

Playback and Backup

Sync Playback	1/4
Search Mode	Time /Date, 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, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more

Network

Interface	1 RJ-45 port (10/100Mbps)
Ethernet Port	1 Independent 100Mbps Ethernet Port
PoE	4 ports (IEEE802.3at/af)
Network Function	HTTP, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahua IP camera, DVR, NVS and etc.), Easy4ip
Optical Fiber Interface	N/A
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant

Storage

Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

Auxiliary Interface

USB	2 ports (2 Rear USB2.0)
RS232	N/A
RS485	N/A

Electrical

Power Supply	Single, DC48V/1.25A
Power Consumption	<4W (without HDD)

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(W×D×H)	Smart 1U, 204.6mm×204.6mm×45.6mm (8.1" x 8.1" x 1.8")
Net Weight	0.45kg (0.99 lb) (without HDD
Gross Weight	1.5kg(3.31 lb)(without HDD)

Certifications

CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL60950-1+CAN/CSA C22.2 No.60950-1

Ordering Information

Type	Part Number	Description
4 Channel NVR	NVR1A04-4P	4 Channel Smart 1U 4PoE Network Video Recorder
Accessories	N/A	N/A

Dimensions (mm)

Rev 001.001

www.dahuasecurity.com