CITY SCAN
TECH



CS-NA32P16H4-AI

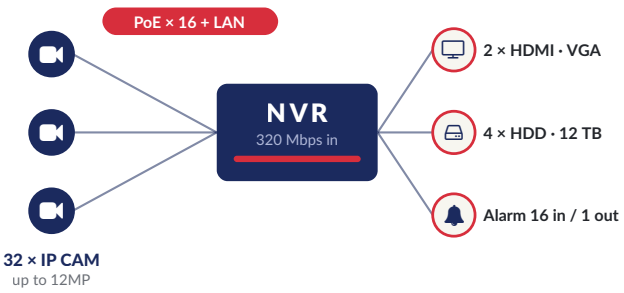
32 CHANNELS · AI · 16 POE PORTS

32-Channel AI PoE Network Video Recorder

32-channel AI NVR for 4K IP cameras with 320 Mbps throughput, sixteen PoE ports, dual Gigabit LAN, dual HDMI and four HDD bays plus eSATA.

SYSTEM OVERVIEW

32 CH · 320 MBPS IN · 4 HDD BAYS



AI HIGHLIGHTS

- Facial recognition
- Human & vehicle detection
- License plate recognition
- Intrusion & line crossing

32CH 32 Channels	12MP Max Recording Res.	AI Analytics	16 PoE Ports
4 HDD Bays + eSATA	Dual HDMI · 4K	Dual Gigabit LAN	16 In / 1 Out Alarm

KEY FEATURES

- Up to 32 channels of 4K IP camera input · 320 Mbps in / out
- 16 × PoE ports (100 Base-T, IEEE 802.3at/af) · dual Gigabit LAN
- Decoding: 12MP at 30 fps · 4MP at 240 fps · 2MP at 480 fps
- 2 HDMI outputs, up to 4K on HDMI 1 · plus VGA
- 4 internal SATA bays, each up to 12 TB · 1 × eSATA
- 16 alarm inputs / 1 output · RS485 · RCA audio in / out

IDEAL FOR

- Warehouses
- Schools
- Hotels
- Factories
- Retail chains
- Car parks

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— SECTION 01

Technical Specifications

REFERENCE
CS-NA32P16H4-AI
32 CH · AI

01 Video & Recording

Incoming Bandwidth	320 Mbps
Outgoing Bandwidth	320 Mbps
Recording Resolution	12MP · 8MP · 5MP · 4MP · 3MP · 1080P · 720P
Video Compression	H.264 / H.265 / H.264+ / H.265+
Audio Compression	G.711a / G.711u

03 Intelligence

AI Analytics	Facial recognition · Human detection · Vehicle detection · License plate recognition · Perimeter intrusion · Line crossing statistics
Voice Command	Google Assistant · Amazon Alexa (home devices)

05 Video Output

VGA	1 × output: 1024×768 · 1280×720 · 1280×1024 · 1440×900 · 1920×1080
HDMI 1	1024×768 · 1280×720 · 1280×1024 · 1440×900 · 1600×1200 · 1920×1080 · 1920×1200 · 2560×1440 (2K) · 3840×2160 (4K) / EDID
HDMI 2	1024×768 · 1280×720 · 1280×1024 · 1440×900 · 1920×1080 · async out

07 Electrical

Power Input	ATX 280 W
Power Consumption	12 W (excluding HDD)

10 General

OSD Languages	English / French / Spanish / Portuguese / German / Italian / Greek / Danish / Finnish / Russian / Hebrew / Turkish / Bulgarian / Arabic / Korean / Japanese / Thai / Hindi / Romanian / Dutch / Polish / Persian / Hungarian / Chinese / Ukrainian
Certifications	FCC · CE

02 Decoding & Playback

Decoding Capability	12MP: 30 fps · 8MP: 120 fps · 4MP: 240 fps · 2MP: 480 fps
Playback	1080P: 480 fps · max 16 ch

04 Network

Ethernet	2 × RJ45 100/1000 Base-T
PoE	16 × RJ45, 100 Base-T, IEEE 802.3at/af
Protocols	TCP/IP · DHCP · IPv4 · IPv6 · DNS · DDNS · NTP · RTSP · SADP · SMTP · SNMP · UPnP · HTTP · HTTPS
API	Proprietary API · ONVIF (Profile S / G / T)
Web Browser	IE 10 / 11 · Safari 12.1+ · Firefox 52+ · Chrome 57+ · Edge 79+

06 Storage & Interfaces

HDD	4 × SATA HDD, each up to 12 TB
eSATA	1
USB	1 × USB 2.0 (front) · 1 × USB 3.0 + 1 × USB 2.0 (rear)
Audio	1 in / 1 out
RS485	1
Alarm In / Out	16 in / 1 out
Password Reset	Yes

08 Mechanical

Dimensions (W × D × H)	378 × 326 × 66 mm
Weight	3185 g

09 Environmental

Operating Temperature	−10 °C to +50 °C
Operating Humidity	< 90% RH

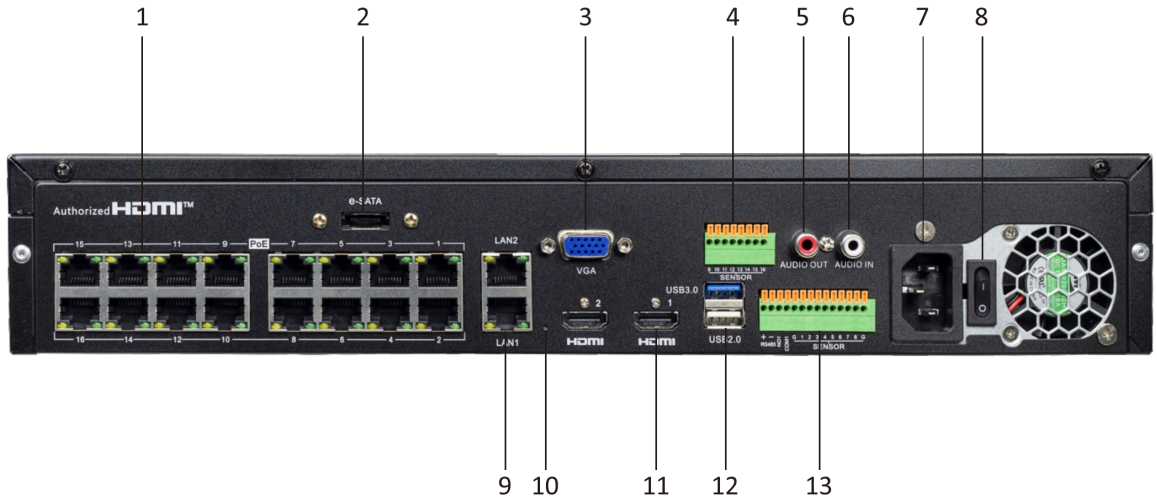
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— SECTION 02

Rear Panel, Build & Ordering

REAR PANEL
13 CALLOUTS
SEE KEY BELOW

FIG 01 · REAR PANEL



Rear Panel Key

1. PoE ports
2. e-SATA
3. VGA
4. Sensor, alarm & RS485
5. Audio out
6. Audio in
7. Power
8. Power switch
9. LAN port
10. Reset button
11. HDMI
12. USB
13. Sensor, alarm & RS485

Ordering Information

SKU / MODEL CODE
CS-NA32P16H4-AI

32-Channel AI PoE NVR · 16 × PoE · 4 HDD bays (up to 12 TB each) + eSATA · dual Gigabit LAN

REGULATORY & CERTIFICATIONS

CE · FCC · ONVIF

ADDRESS
Safety Vision UK · South Bank, Chelford Road, Siddington, Macclesfield, SK11 9LF

WEB
safetyvision.uk

EMAIL
info@safetyvision.uk

PHONE
+44 7926 689141

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