CITY SCAN
TECH



CS-NA16P16H2-AI

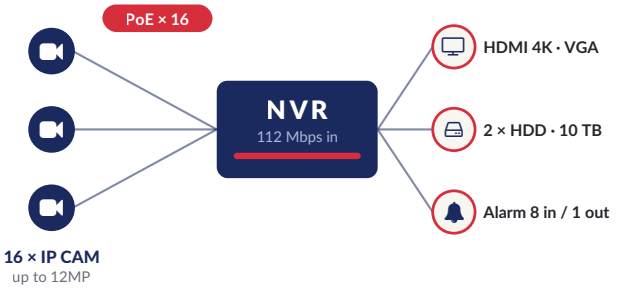
16 CHANNELS · AI · 16 POE PORTS

16-Channel AI PoE Network Video Recorder

16-channel AI NVR for 4K IP cameras with sixteen PoE ports, Gigabit Ethernet, two HDD bays, 8 alarm inputs and facial and plate analytics.

SYSTEM OVERVIEW

16 CH · 112 MBPS IN · 16 POE PORTS



AI HIGHLIGHTS

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

16CH 16 Channels	12MP Max Recording Res.	AI Analytics	16 PoE Ports
2 HDD Bays · 10 TB	Gigabit Ethernet	8 In / 1 Out Alarm	Alexa / Google

KEY FEATURES

- Up to 16 channels of 4K IP camera input · 112 Mbps in / out
- 16 × PoE ports (100 Base-T, IEEE 802.3at/af) · Gigabit uplink
- Decoding: 4K at 60 fps · 2MP at 240 fps · 16-ch playback
- 2 internal SATA bays, up to 10 TB · H.265+ / H.264+
- 8 alarm inputs / 1 output · RS485 · RCA audio for voice intercom
- Remote access for up to 640 users · Alexa / Google Assistant

IDEAL FOR

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

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— SECTION 01

Technical Specifications

REFERENCE
CS-NA16P16H2-AI
16 CH · AI

01 Video & Recording

Incoming Bandwidth	112 Mbps
Outgoing Bandwidth	112 Mbps
Recording Resolution	12MP · 8MP · 5MP · 3MP · 2MP (1080P) · 1.3MP (960P) · 1.0MP (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)

06 Storage & Interfaces

HDD	2 × SATA HDD, up to 10 TB
eSATA	N/A
USB	1 × USB 2.0 (front) · 1 × USB 2.0 (rear)
Audio	1 in / 1 out
RS485	1
Alarm In / Out	8 in / 1 out
Password Reset	Yes

08 Mechanical

Dimensions (W × D × H)	300 × 302 × 54 mm
Weight	≤ 2.3 kg (without HDD)

09 Environmental

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

02 Decoding & Playback

Decoding Capability	4K: 60 fps · 4MP: 120 fps · 2MP: 240 fps
Playback	1080P: 240 fps · max 16-ch playback

04 Network

Ethernet	1 × RJ45 100/1000 Base-T
PoE	16 × RJ45, 100 Base-T, IEEE 802.3at/af
Remote Connection	Up to 640 users
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+

05 Video Output

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

07 Electrical

Power Input	48 V / 3.75 A
Power Consumption	6.2 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

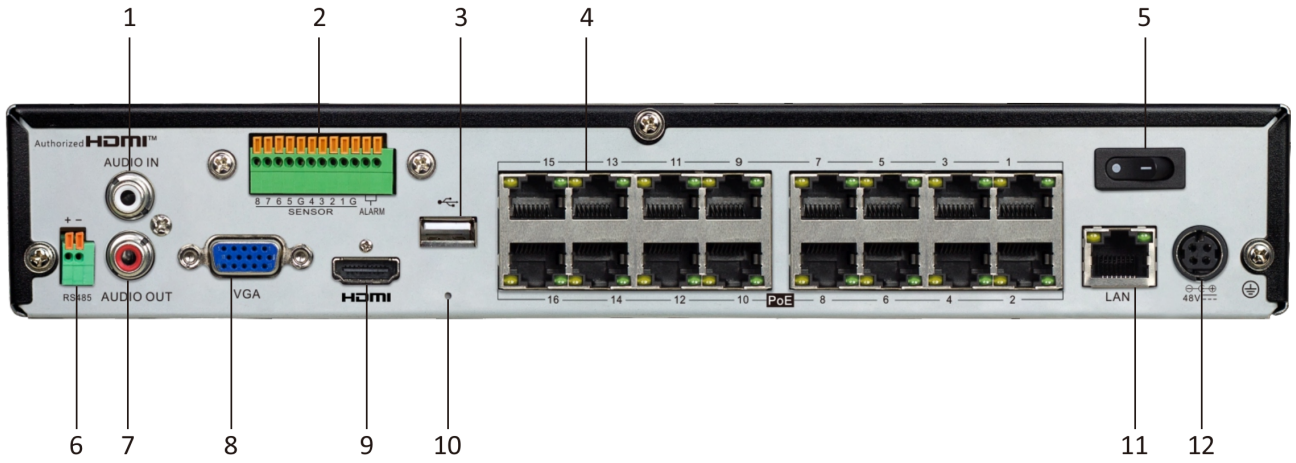
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— SECTION 02

Rear Panel, Build & Ordering

REAR PANEL
12 CALLOUTS
SEE KEY BELOW

FIG 01 · REAR PANEL



Rear Panel Key

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

Ordering Information

SKU / MODEL CODE
CS-NA16P16H2-AI

16-Channel AI PoE NVR · 16 × PoE · 2 HDD bays (up to 10 TB) · 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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