CITY SCAN
TECH



CS-NE256P0H16-AI

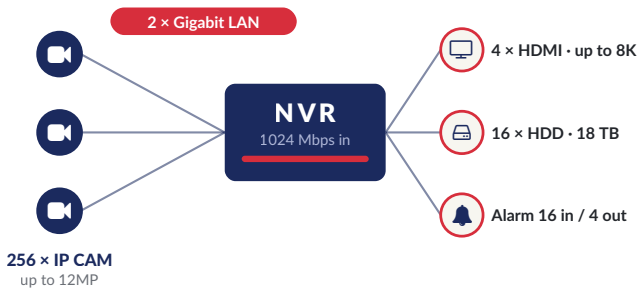
256 CHANNELS · AI · 16 HDD BAYS

256-Channel AI Network Video Recorder

Enterprise 256-channel AI NVR with 1024 Mbps incoming bandwidth, four HDMI outputs up to 8K and sixteen enterprise-class HDD bays plus eSATA.

SYSTEM OVERVIEW

256 CH · 1024 MBPS IN · 16 HDD BAYS



AI HIGHLIGHTS

- Face & pedestrian detection
- Vehicle & license plate
- Intrusion & line crossing
- Heat map & crowd density

256CH 256 Channels	8K HDMI Output	11 AI Analytics	16 HDD Bays · 18 TB
4 HDMI Outputs	Dual Gigabit LAN	16 In / 4 Out Alarm	Fisheye Support

KEY FEATURES

- Up to 256 channels of 4K IP camera input
- 1024 Mbps incoming · 800 Mbps outgoing bandwidth
- Decoding: 4K at 360 fps · 4MP at 720 fps · 2MP at 1440 fps
- 4 HDMI outputs: 3 up to 8K, 1 up to 1080P · async out
- 16 enterprise-class SATA bays, up to 18 TB each · 1 × eSATA
- 16 alarm in / 4 out · RS232 · RS485 · line in / audio out

IDEAL FOR

- Campuses
- Hospitals
- Logistics hubs
- Industrial sites
- Office towers
- Public spaces

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— SECTION 01

Technical Specifications

REFERENCE
CS-NE256P0H16-AI
256 CH · AI

01 Video & Recording

Recording Resolution	12MP · 8MP · 5MP · 3MP · 2MP (1080P) · 1.3MP (960P) · 1.0MP (720P)
Incoming Bandwidth	1024 Mbps
Outgoing Bandwidth	800 Mbps
Video Compression	H.264 / H.264+ / H.265 / H.265+
Audio Compression	G.711A / G.711U

03 AI Analytics

Detection	Face · Pedestrian · Vehicle · License plate · Rare sound
Behaviour	Perimeter intrusion · Line crossing · Cross counting
Statistics	Heat map · Crowd density · Queue length

05 Video Output

HDMI 1 – 3	1024×768 · 1280×720 · 1280×1024 · 1440×900 · 1920×1080 · 2560×1440 · 3840×2160 / 7680×4320 / EDID · async out
8K Note	With HDMI 1 at 8K, HDMI 3 and 4 are limited to 1080P and HDMI 2 is disabled
HDMI 4	1024×768 · 1280×720 · 1280×1024 · 1440×900 · 1920×1080 / EDID · async out

06 Storage & Interfaces

HDD	16 × SATA HDD, up to 18 TB (enterprise-class)
eSATA	1
Ethernet	2 × RJ45 1000 Base-T
USB	1 × USB 2.0 (front) · 2 × USB 3.0 (rear)
Audio	Line in 1 · Audio out 1
RS232	1 × RJ45
RS485	1
Alarm In / Out	16 in / 4 out
Password Reset	Yes

02 Live View & Playback

Decoding Frame Rate	4K: 360 fps · 4MP: 720 fps · 2MP: 1440 fps
Events	Motion detection (sensitivity level 1–8) · Video loss
Event Actions	Beep · Email · Push notification to mobile app
Playback	Max 16-ch playback
Playback Functions	Fast forward / backward (2×, 4×, 8×, 16×) · Slow forward (1/2×, 1/4×, 1/8×, 1/16×)
Fisheye	Supported

04 UI & Monitoring

Local UI	UI 5.0
Web Browser	IE 10 / 11 · Safari 12.1+ · Firefox 52+ · Chrome 57+ · Edge 79+
Mobile Viewer	Mobile app

07 Electrical

Power Input	ATX 250 W
Power Consumption	8 W (excluding HDD)

08 Mechanical

Dimensions (W × D × H)	440 × 460 × 149 mm

09 Environmental

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

10 General

OSD Languages	English / French / Spanish / Portuguese / German / Italian / Greek / Danish / Finnish / Hebrew / Turkish / Bulgarian / Arabic / Korean / Japanese / Thai / Hindi / Romanian / Dutch / Polish
Compatibility	ONVIF

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— SECTION 02

Rear Panel, Build & Ordering

REAR PANEL
11 CALLOUTS
SEE KEY BELOW

FIG 01 · REAR PANEL

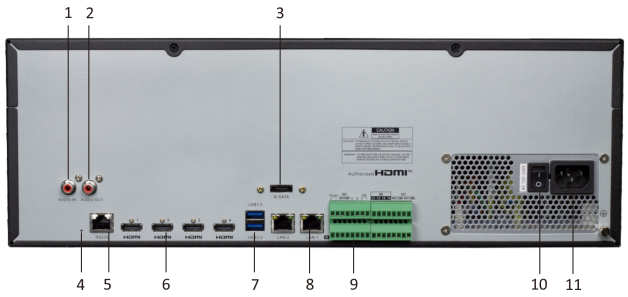
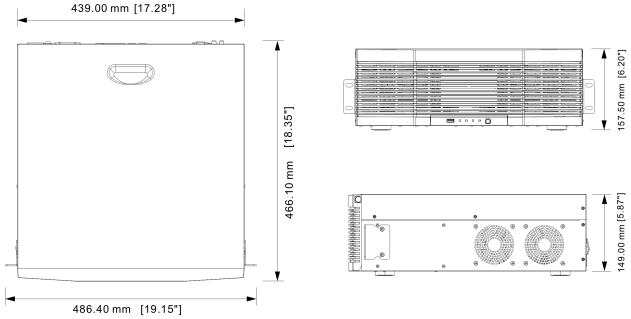


FIG 02 · DIMENSIONS · MM [IN]



Rear Panel Key

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

Ordering Information

SKU / MODEL CODE
CS-NE256P0H16-AI

256-Channel AI NVR · non-PoE · 16 HDD bays (up to 18 TB, enterprise-class) + eSATA · dual Gigabit LAN

REGULATORY & CERTIFICATIONS

ONVIF

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