

DS-7616NXI-I2/16P/S AcuSense Series NVR



Key Features

- H.265+/H.265/H.264+/H.264 Video Formats
- Intelligent Deep Learning Analytics
- 4-ch Perimeter Protection
- 16-ch IP Camera Inputs
- 16-ch 1080p Decoding Capability

Compression and Recording

- H.265+ Compression Reduces Storage up to 75%
- Full Channel IP Cameras Connection
- TLS Encryption for Secure Transmission Stream
- Double Verification for Playback and Downloading

HD Video Output

- Independent HDMI and VGA Outputs
- HDMI Video Output up to 4K Resolution

Storage and Playback

- Up to 2 HDD SATA Interfaces
- 16-ch Synchronous Playback up to 1080p Resolution

Smart and POS Function

- Multiple VCA (Video Content Analytics) Events
- Smart Search for Selected Video Area
- Smart Playback Improves Playback Efficiency
- POS Information Overlay on Live View/Playback
- POS Triggered Recording and Alarm

Available Model

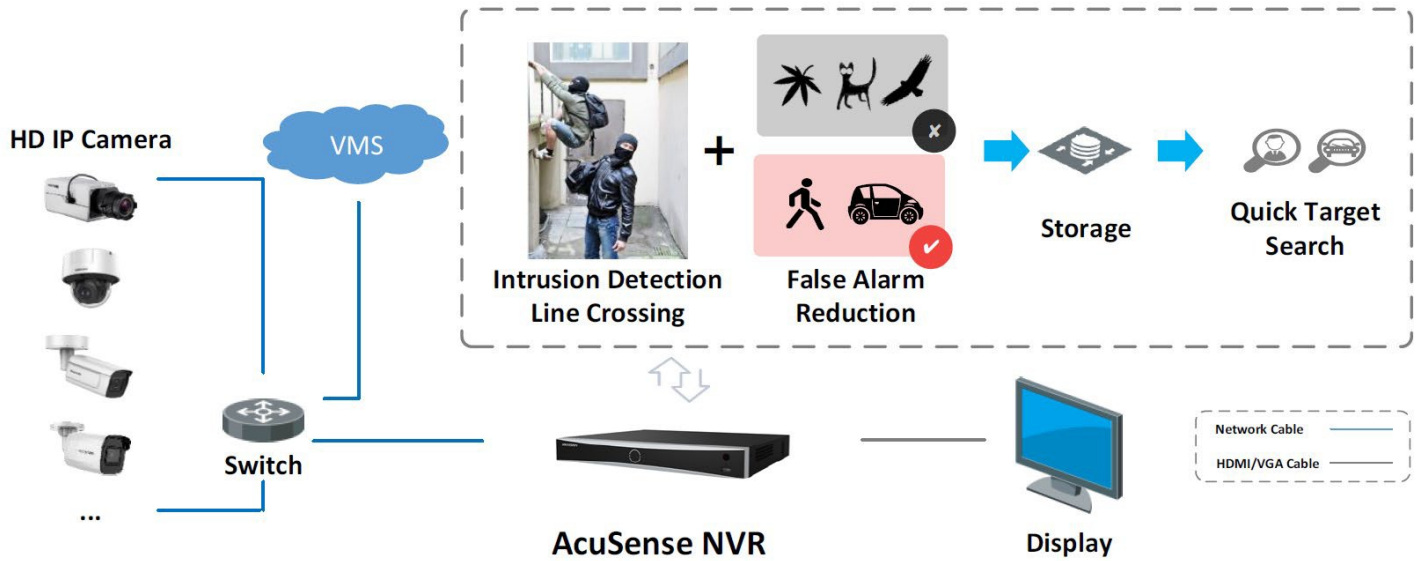
DS-7616NXI-I2/16P/S



Typical Application

Perimeter Protection

A deep learning algorithm effectively reduces false alarms caused by tree branches, leaves, shadows, lights, vehicles, small animals, etc.



Specifications

DS-7616NXI-I2/16P/S

Perimeter Protection

Human/Vehicle Analysis to 12 rules in total

Video and Audio

IP Video Input 16-ch
Up to 12 MP resolution

Incoming Bandwidth 160 Mbps

Outgoing Bandwidth 256 Mbps

HDMI Output 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz

VGA Output 1-ch, 1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz

Video Output Mode HDMI/VGA independent output

CVBS Output 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480

Audio Output 1-ch, RCA (linear, 1K Ω)

Two-Way Audio Input 1-ch, RCA (2.0 Vp-p, 1K Ω)

Decoding

Decoding Format H.265+/H.265/H.264+/H.264/MPEG4

Recording Resolution 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF

Synchronous Playback 16-ch

Capability 16-ch @ 1080p (30 fps)

Dual Stream Recording Supported

Stream Type Video, Video & Audio

Audio Compression G.711ulaw/G.711alaw/G.722/G.726/MP2L2

Network

Remote Connections 128

Network Protocol TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS

Network Interface 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

PoE

Interface 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface

Power ≤200 W

Supported Standard IEEE 802.3 af/at

Auxiliary Interface

SATA 2 SATA interfaces supporting hot-plug

Capacity Up to 10 TB capacity for each disk

Alarm In/Out 4/1

USB Interface Front panel: 1 × USB 2.0; rear panel: 1 × USB 3.0

General

Power Supply 100 to 240 VAC, 50 to 60 Hz

Consumption (without HDD) ≤15 W

Working Temperature -10° to 55° C (14° to 131° F)

Working Humidity 10% to 90% non-condensing

Chassis 1U chassis

Dimension (W × D × H) 385 mm × 315 mm × 52 mm (15.2" × 12.4" × 2.0")

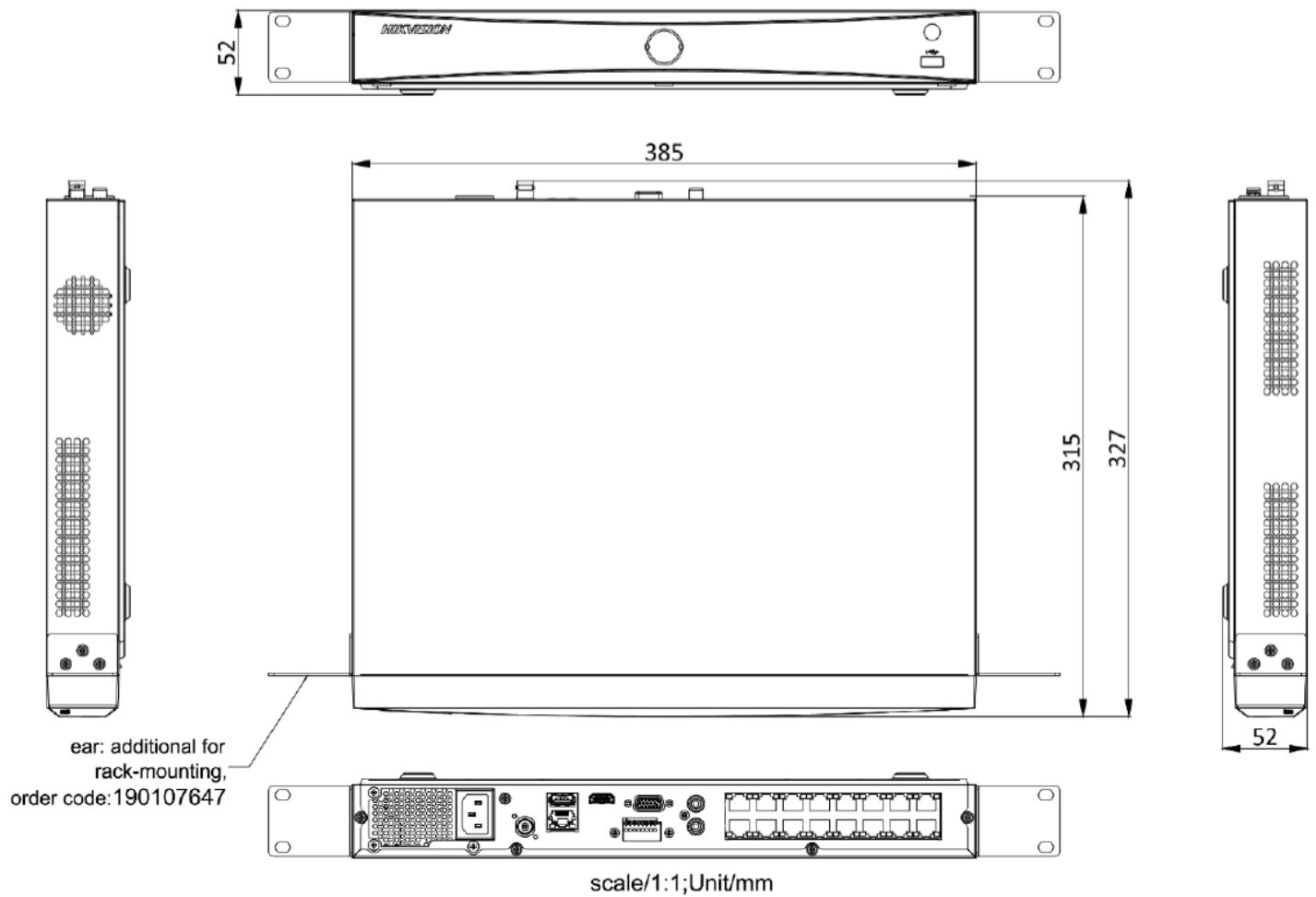
Weight (without HDD) ≤3 kg (6.6 lb)

Certifications

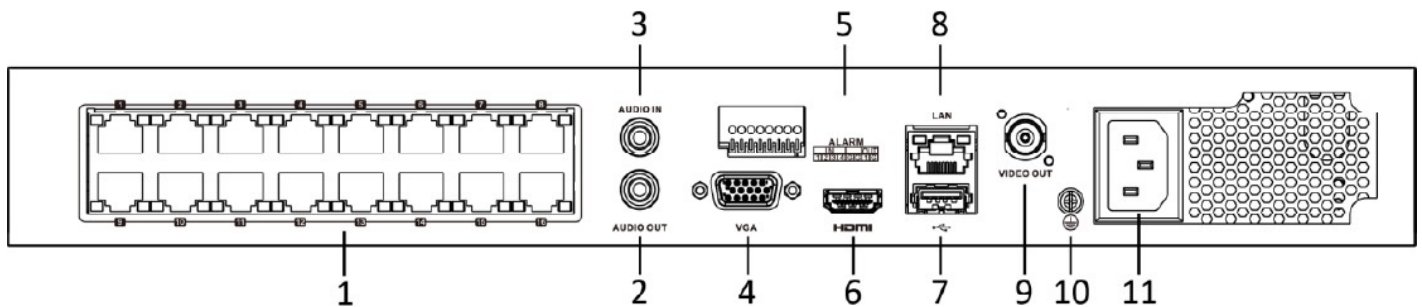
FCC Part 15 Subpart B, ANSI C63.4-2014

CE EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

Dimensions



Physical Interface



No.	Description	No.	Description
1	PoE Interfaces	7	USB 3.0 interface
2	AUDIO OUT	8	LAN Network Interface
3	AUDIO IN	9	VIDEO OUT
4	VGA Interface	10	GND
5	Alarm In/Alarm Out	11	Power Supply
6	HDMI Interface		