

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

### Key Feature

- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on deep learning algorithm
- Up to 4-ch perimeter protection
- Up to 1-ch facial recognition for video stream
- Up to 4-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 16-ch 1080p decoding capability



### Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Adopt stream over TLS encryption technology which provides more secure stream transmission service
- Support double verification for playback and downloading

### HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

### Storage and Playback

- Up to 2 SATA interfaces for HDD connection
- 16-ch synchronous playback at up to 1080p resolution

### Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- POS information overlay on live view and playback
- POS triggered recording and alarm



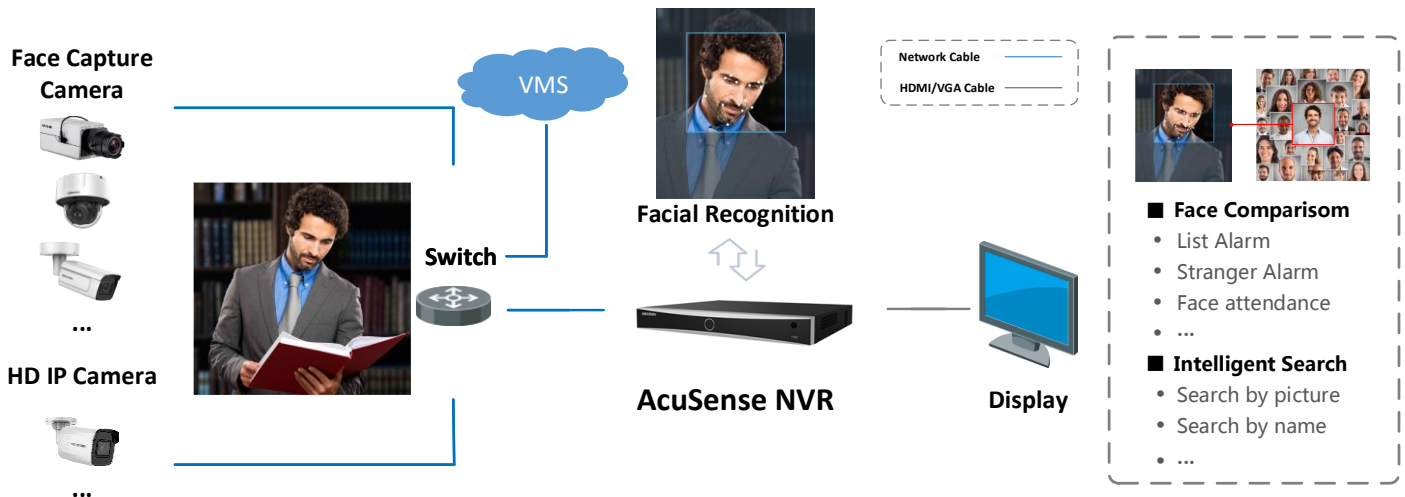
## Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- Smooth streaming technology
- Support web access without plug-in

## Typical Application

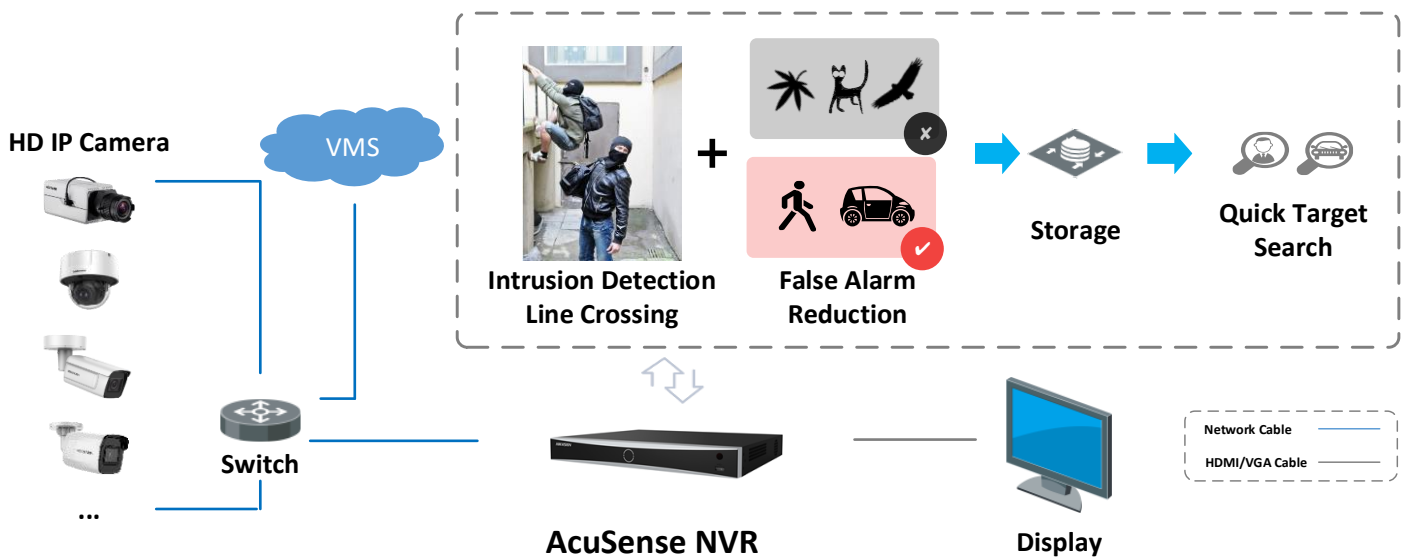
### Facial Recognition and Face Picture Comparison

Modeling and analyzing face pictures captured by cameras. Realize blacklist alarm and stranger alarm via face picture library. Search target people by picture and name features.



### Perimeter Protection

Adopt deep learning algorithm to reduce false alarm, effectively reduces the false alarm caused by tree branches, leaves, shadow, light, vehicles, small animals, etc.



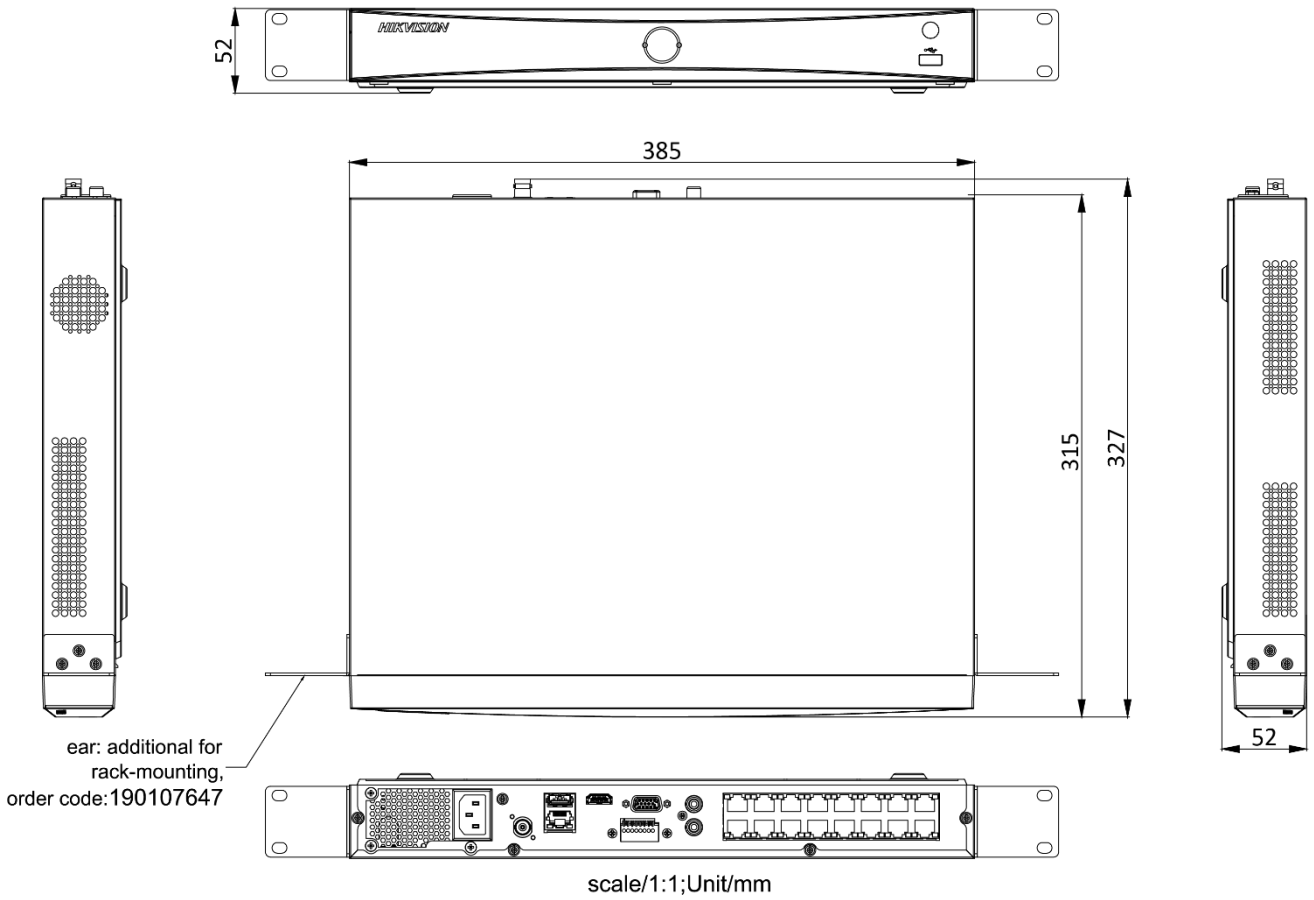
## Specification

<b>Model</b>	<b>DS-7616NXI-I2/16P/S</b>
<b>Facial Recognition<sup>1</sup></b>	
<b>Facial detection and analytics</b>	Face picture comparison, human face capture, face picture search
<b>Face picture library</b>	Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150 MB)
<b>Face picture comparison</b>	4-ch face picture comparison alarm
<b>Performance of facial detection and analytics</b>	1-ch human face capture (HD network camera, up to 8 MP, H.264/H.265)
<b>Perimeter Protection<sup>1</sup></b>	
<b>Human/Vehicle analysis</b>	Up to 4-ch 2 MP (H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm; Up to 12 rules in total
<b>Video and Audio</b>	
<b>IP video input</b>	16-ch Up to 12 MP resolution
<b>Incoming bandwidth</b>	160 Mbps
<b>Outgoing bandwidth</b>	256 Mbps
<b>HDMI output</b>	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
<b>VGA output</b>	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz,
<b>Video output mode</b>	HDMI/VGA independent output
<b>CVBS output</b>	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
<b>Audio output</b>	1-ch, RCA (Linear, 1 KΩ)
<b>Two-way audio input</b>	1-ch, RCA (2.0 Vp-p, 1 KΩ)
<b>Decoding</b>	
<b>Decoding format</b>	H.265+/H.265/H.264+/H.264/MPEG4
<b>Recording resolution</b>	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
<b>Synchronous playback</b>	16-ch
<b>Capability</b>	16-ch@1080p (30 fps)
<b>Dual stream recording</b>	Support
<b>Stream type</b>	Video, Video & Audio
<b>Audio compression</b>	G.711ulaw/G.711alaw/G.722/G.726/MP2L2
<b>Network</b>	
<b>Remote connections</b>	128
<b>Network protocol</b>	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
<b>Network interface</b>	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>PoE</b>	
<b>Interface</b>	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
<b>Power</b>	≤ 200 W

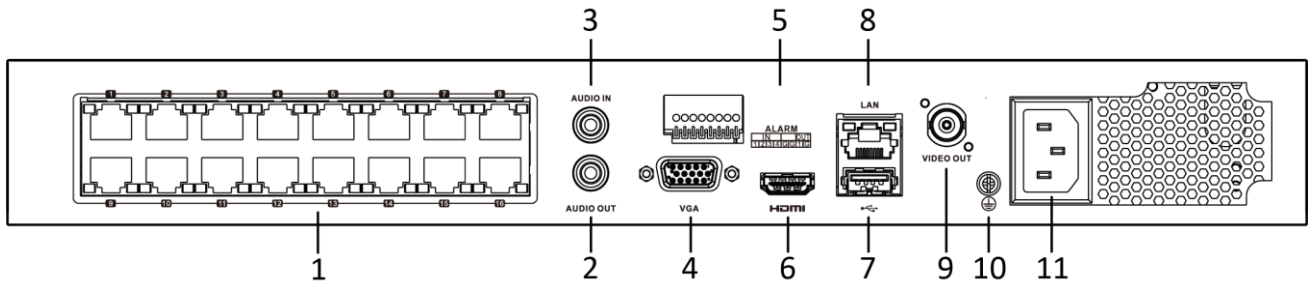
<b>Supported standard</b>	IEEE 802.3 af/at
<b>Auxiliary interface</b>	
<b>SATA</b>	2 SATA interfaces supporting hot-plug
<b>Capacity</b>	Up to 10 TB capacity for each disk
<b>Alarm in/out</b>	4/1
<b>USB interface</b>	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
<b>General</b>	
<b>Power supply</b>	100 to 240 VAC, 50 to 60 Hz
<b>Consumption (without HDD)</b>	≤ 15 W
<b>Working temperature</b>	-10 °C to 55 °C (14 °F to 131 °F)
<b>Working humidity</b>	10% to 90%
<b>Chassis</b>	1U chassis
<b>Dimension (W × D × H)</b>	385 × 315 × 52 mm ( 15.2"× 12.4" × 2.0")
<b>Weight (without HDD)</b>	≤ 3 kg (6.6 lb)
<b>Certification</b>	
<b>FCC</b>	Part 15 Subpart B, ANSI C63.4-2014
<b>CE</b>	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

1: Facial recognition and perimeter protection cannot be enabled at the same time. Enable one function will make the other one unavailable.

# Dimension



## Physical Interface

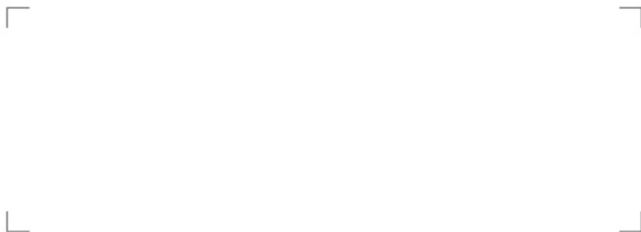


No.	Description	No.	Description
1	PoE Interfaces	7	USB 3.0 interface
2	AUDIO OUT	8	LAN Network Interface
3	AUDIO IN	9	VIDEO OUT
4	VGA Interface	10	GND
5	Alarm In/Alarm Out	11	Power Supply
6	HDMI Interface		

## Available Model

DS-7616NXI-I2/16P/S

Distributed by



## HIKVISION®

### Headquarters

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Australia**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Canada**  
T +1-866-200-6690  
sales.canada@hikvision.com

**Hikvision Thailand**  
T +662-275-9949  
sales.thailand@hikvision.com

**Hikvision Europe**  
T +31-23-5542770  
sales.eu@hikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Turkey**  
T +90 [216]521 7070- 7074  
sales.tr@hikvision.com

**Hikvision Malaysia**  
T +601-7652-2413  
sales.my@hikvision.com

**Hikvision UK & Ireland**  
T +01628-902140  
sales.uk@hikvision.com

**Hikvision South Africa**  
Tel: +27 [10] 0351172  
sale.africa@hikvision.com

**Hikvision France**  
T +33[0]1-85-330-450  
info.fr@hikvision.com

**Hikvision Kazakhstan**  
T +7-727-9730667  
nikia.panfilov@hikvision.ru

**Hikvision Vietnam**  
T +84-974270888  
sales.vt@hikvision.com

**Hikvision UAE**  
T +971-4-4432090  
salesme@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Tashkent**  
T +99-87-1238-9438  
uzb@hikvision.ru

**Hikvision Hong Kong**  
T +852-2151-1761  
info.hk@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision Korea**  
T +82-(0)31-731-8817  
sales.korea@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
info.pl@hikvision.com

**Hikvision Indonesia**  
T +62-21-2933759  
Sales.Indonesia@hikvision.com

**Hikvision Colombia**  
sales.colombia@hikvision.com

04408052010127