

## 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

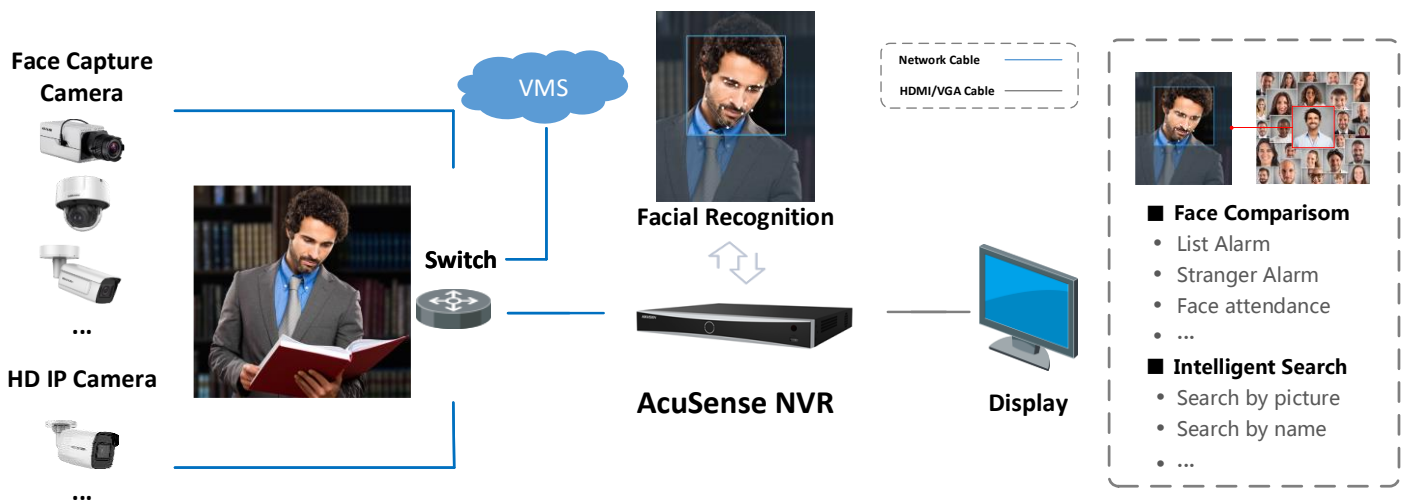
## Network & Ethernet Access

- 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

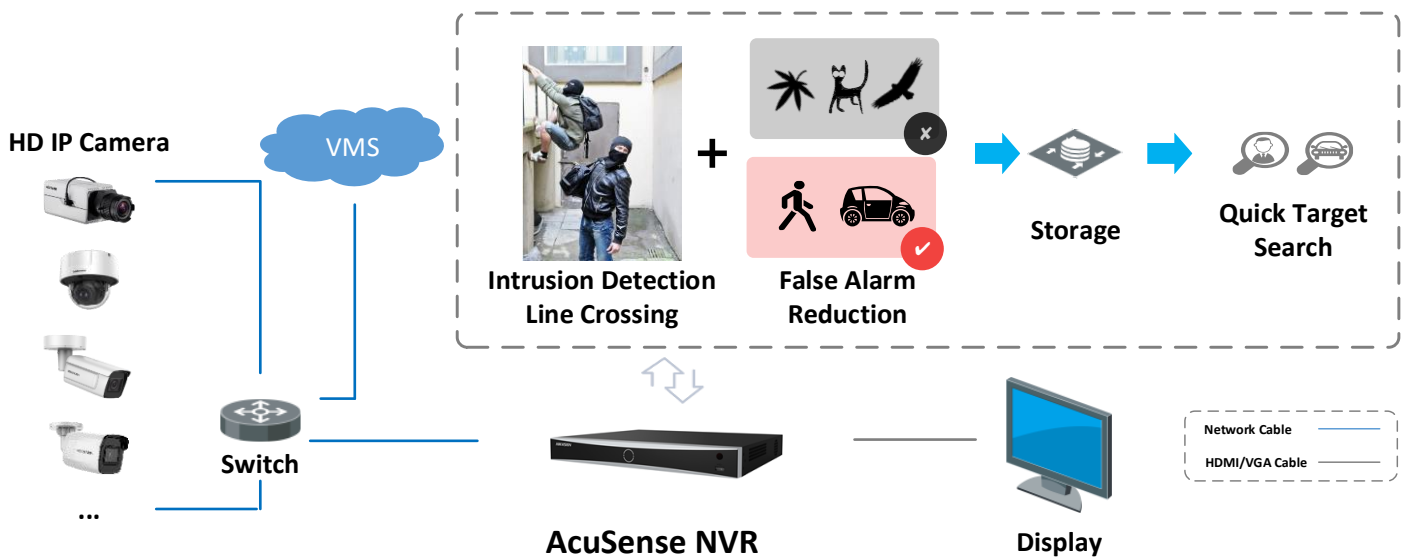
### Facial Recognition and Face Picture Comparison

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.



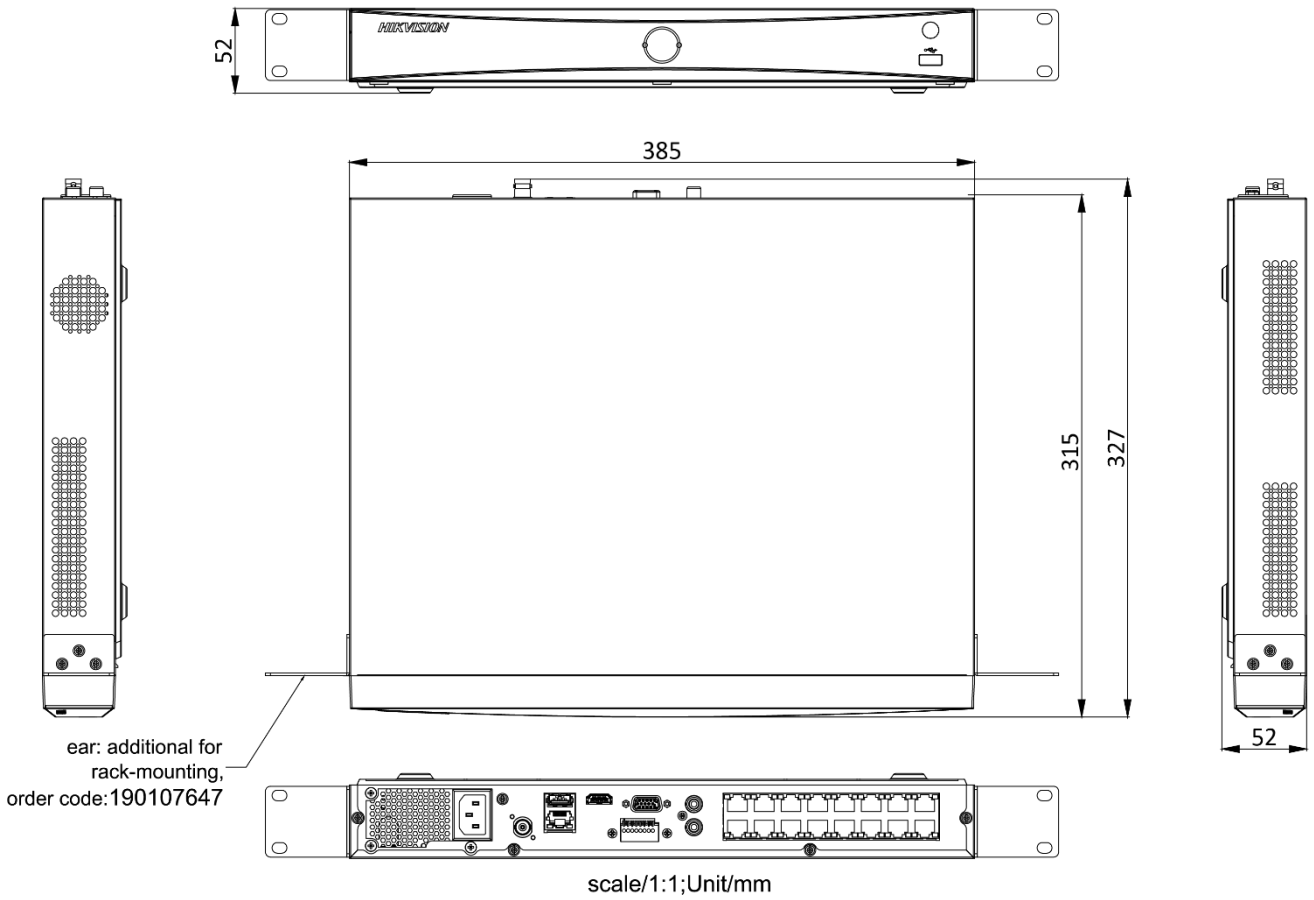
## Specification

<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

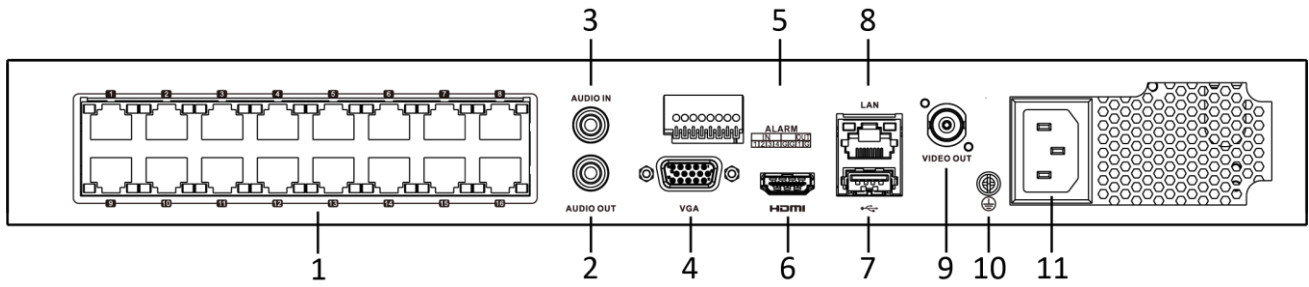
<b>Supported standard</b>	IEEE 802.3 af/at
<b>Auxiliary interface</b>	
<b>SATA</b>	2 SATA interfaces supporting hot-plug
<b>Capacity</b>	Up to 10 TB capacity for each disk
<b>Alarm in/out</b>	4/1
<b>USB interface</b>	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
<b>General</b>	
<b>Power supply</b>	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		