

DS-7716NXI-I4/S 16-ch 1.5U AcuSense 4K NVR



- 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 4-ch facial recognition for video stream
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 32-ch 1080p decoding capability
- Up to 8-ch IP speakers can be connected

▪ **Function**

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%

- Full channel IP cameras connection

- Compatible to third-party network cameras

HD Video Output

- Provide independent HDMI and VGA outputs

- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 4 SATA interfaces for HDD connection

- 16-ch synchronous playback

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

- 2 self-adaptive 10/100/1000 Mbps Ethernet interfaces

- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management

▪ Approval

FCC-SDoC
IC-VoC
RCM
CB
CE-LVD
CE-EMC

▪ Specification

Intelligent Analytics	
AI by NVR	Facial recognition, perimeter protection, motion detection 2.0, AcuSearch
AI by Camera	Facial recognition, perimeter protection, video structuralization, throwing objects from building, motion detection 2.0, ANPR, people counting, VCA
Engine	1, engine mode is adjustable
AcuSearch	
By Camera	All channels ,up to 172,800 targets/day The camera should enable AcuSearch function
Perimeter Protection	
By NVR	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
By Camera	DS-7716NXI-I4/S:All channels All channels
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Attributes	Wearing glasses, wearing a mask, facial expression, body temperature
Face Picture Library	DS-7716NXI-I4/S:Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150 MB) DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):Up to 16 face picture libraries, with up to 10,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 150MB) DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)
Face Picture Comparison (Captured from Camera)	DS-7716NXI-I4/S:4-ch face picture comparison alarm DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):8-ch DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):4-ch face picture comparison alarm

Facial Detection and Analytics Performance	<p>DS-7716NXI-I4/S:1-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):1-ch human face capture (HD network camera, up to 4 MP, H.264/H.265)</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):4-ch human face capture (HD network camera, up to 2 MP, H.264/H.265)</p>
Motion Detection 2.0	
By NVR	<p>DS-7716NXI-I4/S:16-ch</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):16-ch</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):All channels for Hikvision cameras</p>
By Camera	All channels
ANPR	
By Camera	<p>DS-7716NXI-I4/S:All channels</p> <p>Support Countries & Regions:</p> <ol style="list-style-type: none"> 1. Myanmar, Philippines, Indonesia, Vietnam, Pakistan, New Zealand, Australia, Sri Lanka, Singapore, Malaysia 2. Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, The United Kingdom, Ireland, Germany, Italy, Austria, Palestine, Latvia, Lithuania, Estonia, Belgium, Luxembourg, Ukraine, Uzbekistan, Kazakhstan, Mongolia, Moldova, Kyrgyzstan, Azerbaijan, Georgia, Armenia, Albania, Kosovo, Belarus, Cyprus, Denmark, Finland, Malta, Portugal, Romania, Slovenia, Sweden, Israel, Bosnia and Herzegovina, Turkmenistan, Montenegro, Serbia, Tajikistan, Iceland, Liechtenstein 3. Argentina, Brazil, Chile, Colombia, Peru, Ecuador, Paraguay, Uruguay, Salvador, Bolivia, Canada, Algeria, Mexico, Panama, Costa Rica, Nigeria, Kenya, Mauritius, Tanzania, Cote d'Ivoire, South Africa, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Republic of Trinidad and Tobago, Dominica, Guatemala, Senegal, Algeria, Cameroon 4. Qatar, Kuwait, Oman, Jordan, Lebanon, Iraq, United Arab Emirates, Saudi Arabia, Bahrain, Egypt, Libya <p>All channels</p>
Vehicle Attributes	<p>DS-7716NXI-I4/S:Vehicle brand, vehicle color, vehicle type</p> <p>Plate number, license plate color, license plate type</p>
Plate Attributes	<p>DS-7716NXI-I4/S:Plate number, license plate color, license plate type</p> <p>Vehicle brand, vehicle color, vehicle type</p>

Video and Audio	
IP Video Input	<p>DS-7716NXI-I4/S:16-ch Up to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):16-ch</p> <p>Up to 12 MP resolution *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):16-ch</p>
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	<p>DS-7716NXI-I4/S: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, HDMI1/VGA simultaneous output</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):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, HDMI1/VGA simultaneous output</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz</p>
HDMI 2 Output	<p>DS-7716NXI-I4/S:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI2/VGA independent output</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz</p>
VGA Output	<p>DS-7716NXI-I4/S:1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz</p> <p>DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):1920 × 1080/60 Hz</p> <p>DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz, HDMI1/VGA simultaneous output</p>
Video Output Mode	HDMI1/VGA simultaneous output, HDMI2/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, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)

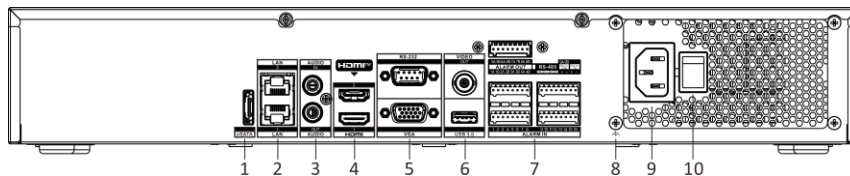
Decoding	
Decoding Format	DS-7716NXI-I4/S:H.265+/H.265/H.264+/H.264/MPEG4 DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):H.265+/H.265/H.264+/H.264 DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):H.265+/H.265/H.264+/H.264/MPEG4
Recording Resolution	DS-7716NXI-I4/S:32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled. DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF 32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/D CIF/2CIF/CIF/QCIF *: The NVR supports up to 4-ch 32 MP/24 MP IP video inputs. DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF *: 32 MP and 24 MP is only available for channel 1 when ultra HD resolution mode is enabled.
Synchronous Playback	16-ch
Live View Window Division	1/2/4/6/8/9/16
Aux Port Window Division	1/2/4/6/8/9/16
Decoding Capability	DS-7716NXI-I4/S:Disable AI by NVR: 2-ch@32 MP (30 fps)/4-ch@16 MP (30 fps)/16-ch@4MP (30 fps) Enable AI by NVR: 8-ch@5 MP (30 fps)/16-ch@3 MP (25 fps) DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):16-ch @ 1080p (30 fps) DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):Enable AI by NVR: 20-ch@1080p (30 fps) Disable AI by NVR: 32-ch@1080p (30 fps)
Dual-Stream Recording	Support
Stream Type	Video, Video & Audio
Audio Compression	DS-7716NXI-I4/S:G.711ulaw/G.711alaw/G.722/G.726/MP2L2 DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):G.711ulaw/G.711alaw/G.722/G.726/MP2L2 DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM
Network	
Network Interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface

Remote Connection	128
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF(Version 2.2), OTAP
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Camera Access Protocol	ONVIF(Version 2.5), RTSP
Auxiliary Interface	
Serial Interface	DS-7716NXI-I4/S:RS-485 (half-duplex), RS-232, Keyboard DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):2 RS-485 (half-duplex), 1 RS-232 DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):RS-485 (half-duplex), RS-232, Keyboard
SATA	DS-7716NXI-I4/S:4 SATA interfaces supporting hot-plug DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):4 SATA interfaces supporting hot-plug DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):4 SATA interfaces
Capacity	DS-7716NXI-I4/S:Up to 16 TB capacity for each disk DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):Up to 14 TB capacity for each disk DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):Up to 10 TB capacity for each disk
eSATA	1 eSATA interface
Alarm In/Out	DS-7716NXI-I4/S:16/4 DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):16/9 DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):16/4
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Ctrl 12V	Controllable 12 VDC, 0.5 A power output for external alarm device; The power will be turned on when the alarm output is triggered. *: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian, Hebrew
Power Supply	DS-7716NXI-I4/S:100 to 240 VAC, 50 to 60 Hz 100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 30 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)

Working Humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimension (W × D × H)	DS-7716NXI-I4/S:445 × 400 × 75 mm (17.5"× 15.7" × 3.0") DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):440 × 391 × 75 mm (17.3"× 15.4" × 3.0") DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):445 × 400 ×75 mm (17.5"× 15.7" × 3.0")
Weight	DS-7716NXI-I4/S:≤ 5.6 kg (without HDD, 12.3 lb.) DS-7716NXI-I4/S(标配)(E),DS-7716NXI-I4/S(中性)(E):≤ 3.6 kg (without HDD, 7.9 lb.) DS-7716NXI-I4/S(标配),DS-7716NXI-I4/S(中性),DS-7716NXI-I4/S(标配)/南非 REGAL,DS-7716NXI-I4/S(中性)(C),DS-7716NXI-I4/S(标配)(C):≤ 5.6 kg (without HDD, 12.3 lb.)
Certification	
Obtained Certification	CE, CB, REACH, WEEE, UKCA, LOA
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

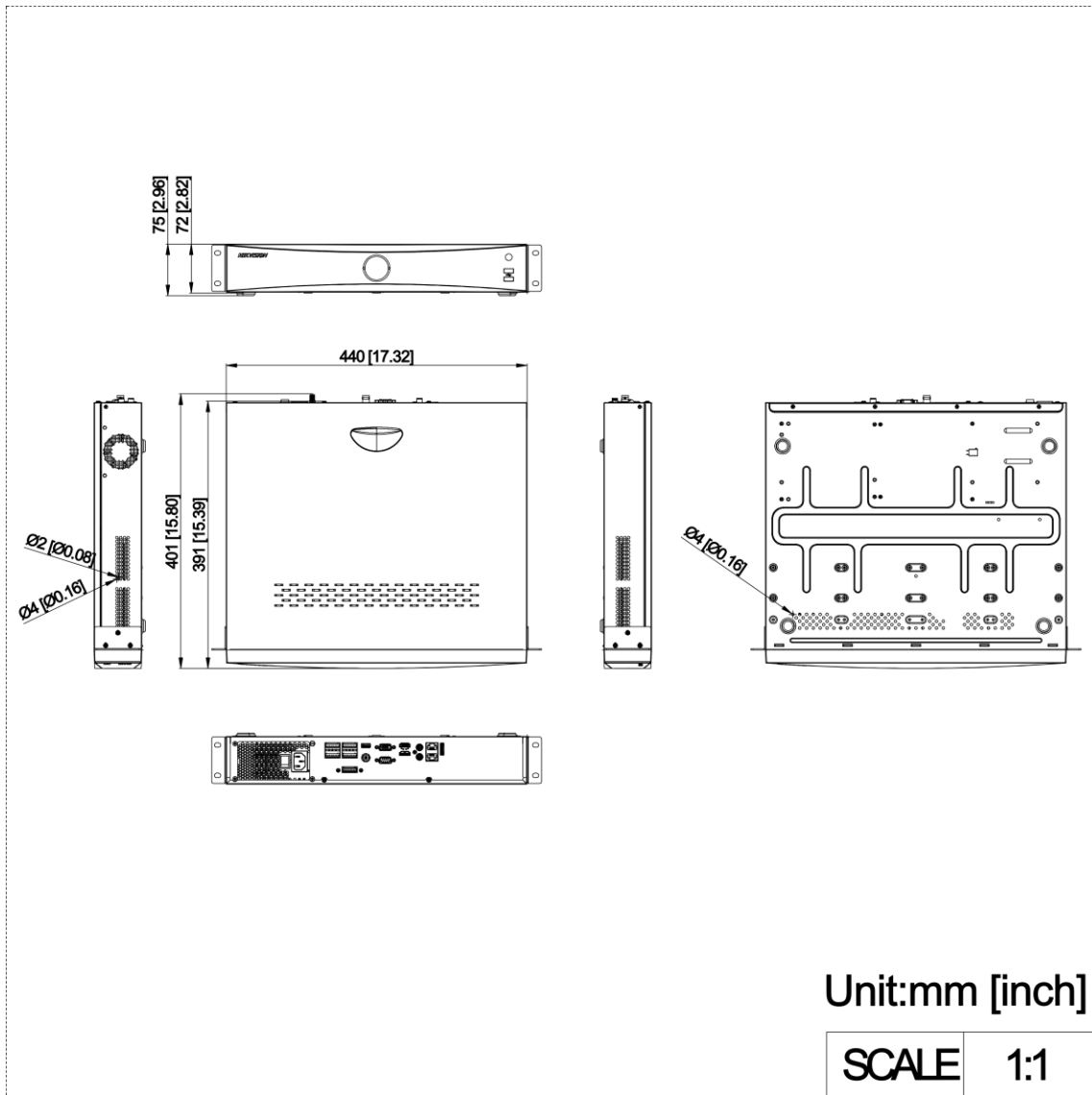
▪ Typical Application

▪ Physical Interface



No.	Description	No.	Description
1	eSATA interface	6	USB 3.0 and VIDEO OUT
2	LAN 1 and LAN 2 interfaces	7	ALARM IN, ALARM OUT, RS-485, Ctrl 12V, DC 12V
3	Audio input and audio output	8	GND
4	HDMI 1 and HDMI 2 interfaces	9	100 to 240 VAC power supply
5	VGA and RS-232 interfaces	10	Power switch

▪ Dimension



▪ Accessory

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