

# DHI-NVR5416-EI

16 Channels 1.5U 4HDD WizSense Network Video Recorder



Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

#### **Series Overview**

The NVR5000-EI series offers outstanding performance and high-grade recording technology that make it ideal for IP video surveillance applications. It has a powerful processor, that offers high access and forwarding bandwidth and strong decoding capabilities that together produce unimpeded streams. Thanks to its built-in AI chip and Dahua's advanced deep learning algorithms, the NVR supports a variety of AI functions, such as high-precision face recognition and perimeter protection. They shorten the response time to events and make videos more interactive. This NVR is compatible with numerous third-party devices, making it a great solution for surveillance systems that work with Video Management Software (VMS).

#### Functions

#### **Perimeter Protection**

Automatically filtering out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to perform secondary recognition for the targets. Improving alarm accuracy.

#### **Face Detection**

Face detection is to detect if there is any human face appearing in the video. This technology adopts a deep learning algorithm to support face detection, tracking, optimization and capturing, and then output the best face snapshot.

#### **Face Recognition**

Dahua Face Recognition technology extracts the features of captured faces and compares them with those in face database to recognize the person identity.

- · Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- · 32-channel 1080p self-adaptive decoding capability.
- · Max. 384 Mbps incoming/recording/outgoing bandwidth.
- Al by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel SMD Plus.
- Al by camera: Face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting.
- · Security baseline 2.3.



#### Heat Map by Camera

Dahua heat map technology is used to display the crowd density and people appearance probability. Export and display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.

#### ANPR by Camera

With deep learning algorithm, Dahua ANPR technology can recognize the number plate information of vehicles in the image with ANPR cameras. Support blocklist/allowlist mode, searching target vehicles from recorded video.

#### **SMD** Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.



# Wiz Sense | DHI-NVR5416-EI

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Operating System         Unbedde Unix         Capacity System         Construct System         Construct System         Construct System         Construct System         Construct System           All operating Interface         Wish, Incal Gul         All operating System         Capacity System System         Capacity System System System         Capacity System System System         Capacity System System         Capacity System System System <td colspan="2">System</td> <td></td> <td>8 channels</td>	System			8 channels	
Autoria         Web, Local GU         Autor           Al         Autor         Secondetectors, face reception; permeter protectors, and permeter performance of permeter performance performance of permeter performance of permeter performance of permeter performance performance of permeter performance per	Main Processor	Industrial-grade processor	License Plate Database	1. Create up to 20,000 plate numbers.	
Al     Automatic and writeduced and an experimentation of the second and and and an experimentation of the second and and and and and and and and and a	Operating System	Embedded Linux	Capacity	2. Blocklist and allowlist	
Alege Schmidel         Ease Selection, face recognition, perimeter protection, software protection, software softwa	Operating Interface	Web, Local GUI	Audio and Video		
At 0 Metodde       South Disc       South Disc       At disable South Disc       At disable South Disc         At 0 Camera       South Disc       South Disc       South Disc       South Disc       South Disc         Perimeter Protection       Perimeter Protection       South Disc       South Di	AI		Access Channel	16	
Notice in the second	Al by Recorder	SMD Plus Face detection; face recognition; video metadata	Network Bandwidth	and 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and	
Perimeter Protection <ul> <li>Perimeter Performance A</li> <li>denamels, 20 WS rules for each channel</li> <li>denamels, 20 WS rules for each channel</li> <li>denamels, 20 WS rules for each channel</li> </ul> <ul> <li>denamels, 20 WS rules for each channel</li> <li>denamels, 20 WS rules for each channel</li> <li>denamels, 20 WS rules for each channel</li> </ul> <ul> <li>denamels, 20 WS rules for each channel</li> <li>denamels, 20 WS rules for each channel</li> </ul> Face Detection <ul> <li>denamels, 20 WS rules for each channel</li> </ul> Face Detection <ul> <li>denamels, 20 WS rules for HSM rules rules, 20 WS rules for HSM rules rules, 20 WS rules, 20</li></ul>	AI by Camera	perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density;	Resolution		
Perimeter Performance 4       4 channels, 10 VS rules for each channel       Decoding Capability              ä.channel 8 MPB30 (ps., 12-channel 3 MPB30 (ps., 12-channel 3 MPB30 (ps., 12-channel 32 MPB20 (ps., 12-c	Perimeter Protection			2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps;	
Participant Production       16 channels       2-channel 16 MP(930 Tps; 4-channel 12 MP(930 Tps; 4-channel 14 MP(14	by Recorder (Number of Channels)	4 channels, 10 IVS rules for each channel	Decoding Capability	8-channel 8 MP@30 fps; 12-channel 5 MP@30 fps; 16-channel 4 MP@30 fps AI enabled:	
Face Attributes       Gender, age group; glasses; expression; face mask; bard       Video Output       Heterogeneous video source output for VGA1 and HDM1 Simultaneous video source output for VGA2 and HDM1 Supports At display         Face Detection Performance of Al by Channels)       16 channels       Multi-screen Display       Multi-screen Display       Multi-screen Simplay         Face Detection Performance of Al by Channels)       Up to 20 face databases with 20,000 images, with a total capatity of 2.5.0. Name, gender, birthday, address, create and adde to each face images.       Smart H 265+; H 265; Smart H 264+; H 264; MJPEG         Face Recognition Performance of Al by Recorder (Number of Channels)       1.16-channel FD (by camera) + FR (by recorder), image 2. 2-channel FD (by camera) + FR (by recorder), wideo 2. 2-channel FD (by camera) + FR (by recorder), wideo 2. 2-channel FD (by camera) + FR (by recorder), wideo 2. 2-channel FD (by recorder) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder), wideo 2. 2-channels PD (by camera) + FR (by recorder) + FR (by reco	AI by Camera (Number of	16 channels		2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 8-channel 5 MP@30 fps;	
Face Attributes     Gender: age group; glasses; expressions; face mak; bard     HOM2 Smultaneous video source output for VGA1 and HDM1 Smultaneous video source output for VGA1 and HDM12 Smultaneous video source output for VGA2 and HDM12 Smultaneous video source output for VGA2 Face Recognition Performance of AL by Camera (Number of Channels)     Interver State cahe added to ach face images/s       Face Recognition Performance of AL by Camera (Number of Channels)     1. Is-channel FD (by camera) FR (by recorder), video stream: 12 face images/s     Interver Face Recognition Performance of AL by Camera (Number of Channels)     Interver State Playback (Boa dalanec, fault to	Face Detection				
Performance of Al by Channels)         2 channels (up to 12 face images/s each channel)         Multi-screen Display         Multi-screen Display         Multi-screen Display         Multi-screen Display           Face Detection Performance of Al by Channels)         16 channels         Third-party Camera (Number of Channels)         ONUF; Panasonic; Sony; Xii; Arecont; Pelco; Canon; Samsung           Face Recognition         Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential Ne, countries & regions and state can be added to each face images.         Smart H.2654; H.265; Smart H.2644; H.264, MIPEG           Face Recognition Performance of Al by Recorder (Number of Channels)         Up to 20 face databases (here images.         Smart H.2654; H.265; Smart H.2644; H.264; H.264; Smart H.2644; H.264; H.265; Smart H.2644; H.264; MIPEG           Face Recognition Performance of Al by Recorder (Number of Channels)         1.3c-channel FD (by carend) + FR (by recorder), image stream: 12 face images/s         HTTP; HTTP; TCP/IP; IPv4/IPv6; RTSP; UDP; SMNP; NTP; DPD; DDP; DPD; IPF (IPv2) (PDP; IPv4) [Pv6; FTP; DDNS; Alam Server; IP Search (byports Dahual and remers, DVR, NS, etc.); Multi-tadtres; Pelce; DCNS; MUR           SMD Plus by Recorder         B channels         B channels         Interoperability         ONUF 21.12(Profile T; Profile S; Profile G); CG; SDN           SMD Plus by Recorder         B channels         Schanabars caused by leaves, rain and plifting condition change         Record Mode         General, motion detection; intelligent; alarm; POS			Video Output	HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2	
Face Detection Performance of Al by Camera (Number of Channels)       16 channels         Face Recognition       Up to 20 face databases with 20,000 images, with a data cane by eaded to each face image.       Compression Standart Access       Smart H.265+; H.265; smart H.264+; H.264; MIPEG         Face Database Capacity       Up to 20 face databases with 20,000 images, with a data cane be added to each face image.       Gart H.265+; H.265+; M.265; smart H.264+; H.264; MIPEG         Face Recognition Performance of Al by Recorder (Number of Channels)       1.16-channel FD (by camera) + FR (by recorder), image stream: 15 face images/s       HTTP; HTTPS; TCP//P; IPV4/IPV6; RTSP; UDP; SIMP, IVTP; DMS; MTP; UDP; SIMP; PIEIC; PPADE; FTP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DWR, NVS, etc.); Multicast; P2P, Auto Registration         Face Recognition Performance of Al by Recorder (Number of Channels)       16 channels       Network Protocol       HTTP; HTTPS; TCP//P; IPV4/IPV6; RTSP; UDP; SIMP;	Performance of AI by Recorder (Number of	2 channels (up to 12 face images/s each channel)	Multi-screen Display	Main screen: 1/4/8/9/16	
Channels)       Compression Standard         Face Recognition       Video Compression       Smart H.265+; H.265; Smart H.264; MJPEG         Face Database Capacity       Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential trype, credential No, countries & regions and state can be added to each face images.       Smart H.265+; H.265; Smart H.264+; H.264; MJPEG         Face Recognition       Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential No, countries & regions and state can be added to each face images.       Network       Metwork         Face Recognition       1.16-channel FD (by camera) + FR (by recorder), wideo stream: 12 face images/s       Network Protocol       HTTP; HTTP; TOP/P; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DPNS; AMTP; UPPn; IP Filter; PPPo6; FTP; DDNS; Adarm Server; IP Search (Supports Dahua IP camera, DUR, NVS, etc.); Multicast; P2P; Auto Registration         Face Recognition       1.16-channels       16-channels       Network       Network       Network         Face Recognition       8 channels       8 channels       Secondary filtering for human and motor whicle, reducing false alarms caused by leaves, rain and lighting condition change       Network Mode       Multi-datress mode, load balance, fault tolerance and other network port binding modes         SMD Plus by Recorder       8 channels       8 channels       Record MID       Multi-channel Playback       Up to 16 channels         SMD Plus by	Face Detection Performance of AI by	16 channels			
Pace RecognitionUp to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No, countries & regions and state can be added to each face image.Audio CompressionG.711a; G.711u; PCM; G726Face Recognition Performance of Al by Recorder (Number of Channels)1. 16-channel FD (by ceorder) + FR (by recorder), image stream: 12 face images/sNetwork ProtocolHTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DHCP; DNS; SMTP; UDP; PPid; FTP; DDNS; Alarm Server; IP Search (Supports Dahua) Performance of Stream: 12 face images/sNetwork ProtocolHTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DHCP; DNS; SMTP; UDP; PPid; FTP; DDNS; Alarm Server; IP Search (Supports Dahua) Peramera, DVR, NYS, etc.); Multicast; P2P; Auto RegistrationFace Recognition Performance of Al by Camera (Number of Channels)16 channelsIoS; AndroidHTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DHCP; DNS; SMTP; UDP; PPid; FTP; DDNS; Alarm Server; IP Search (Supports Dahua) Peramera, DVR, NYS, etc.); Multicast; P2P; Auto RegistrationSMD Plus Video Metadata8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition changeNetwork ModeMulti-dahenelsSMD Plus by Camera Video Metadata16 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)8 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)8 channelsSackup MethodUSB device and networ			Compression Standard		
Face Database Capacity       total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.       Network         Face Recognition Performance of Al by Recorder (Number of Channels)       1.16-channel FD (by recorder), wideo stream: 12 face images/s       Network Protocol       HTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); Multicast; P2P, Auto Registration         Face Recognition Performance of Al by Channels       1.6-channels (by recorder), video stream: 12 face images/s       ioS; Android         SMD Plus       16-channels       16-channels       Browser       ioS; Android         SMD Plus by Recorder       Schannels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change       Network Mode       Multi-address mode, load balance, fault tolerance and other network port binding modes         Video Metadata       Schannels       Schannels       Record Mode       General, motion detection; intelligent; alarm; POS         Metadata Performance of Al by camera (Number of Channels)       Bchannels       Schannels       Bchannels       Bchannels         SMD Plus by Recorder       Ischannels       Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change       Multi-channel Playback       Up to 16 channels         Video Metadata       Iochann	Face Recognition		Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
Pace Database Capacitycredential type, credential No., countries & regions and state can be added to each face image.NetworkFace Recognition Performance of Al by Camera (Number of Channels)1.16-channel FD (by recorder), rideo stream: 12 face images/sHTTP; HTTPS; TCP/IP; IPv4/IPv6; RTSP; UDP; SNMP; NTP; DHCP; DNS; SMTP; UDP; ShMP; NTP; DHCP; DNS; SMTP; UDP; ShAP; PDNS; NVS, etc.); Multicast; P2P; Auto RegistrationFace Recognition Performance of Al by Camera (Number of Channels)1.6-channel SMobile Phone AccessIOS; AndroidFace Recognition Performance of Al by Camera (Number of Channels)1.6-channelsInteroperabilityONVIF 21.12(Profile T; Profile S; Profile G); CGI; SDKSMD Plus1.6-channelsChrome rehicle, reducing false alarms caused by leaves, rain and lighting condition changeChrome Recording PlaybackChrome Recording PlaybackSMD Plus by Camera (Video Metadata Profinear (Number of Channels)8 channelsSchannelsMulti-channel PlaybackUp to 16 channelsVideo Metadata Playback mera (Note Channels)8 channels8 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)8 channelsSchannelsSecond motion cybe, bottom color, bottom type, hat, bag,Hurman AttributesTop color, top type, bottom color, bottom type, hat, bag, Playback (mare 1) playback, general playback, general playback, tag playback, smart playback (face and motion detection)Hurman AttributesTop color, top type, bottom color, bottom type, hat, bag,Playback ModeInsta			Audio Compression	G.711a; G.711u; PCM; G726	
Face Recognition Performance of Al by Recorder (Number of Channels)1.16-channel FD (by camera) + FR (by recorder), image stream: 16 face images/sNetwork ProtocolDHCP; DNS; SMTP; UPnP; IP Filter; PPPOE; FTP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); Multicast; P2P; Auto RegistrationFace Recognition Performance of Al by Camera (Number of Channels)16 channelsio Schanof D (by recorder) + FR (by recorder), videoSMD Plus SMD Plus8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition changeChrome IE 9 or later FirefoxSMD Plus by Camera Video Metadata16 channelsNetwork ModeMulti-address mode, load balance, fault tolerance and other network port binding modesVideo Metadata Al by Camera (Number of Channels)16 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)8 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)Top color, top type, bottom color, bottom type, hat, bag, Top color, top type, bottom color, bottom type, hat, bag,Backup MethodUsB device and networkHuman AttributesTop color, top type, bottom color, bottom type, hat, bag,Instant playback, general playback, trae playback, trae playback, face and motion detection)	Face Database Capacity	credential type, credential No., countries & regions and	Network		
KindbodyModule Phone AccessIOS; AndroidFace Recognition Performance of Al by Camera (Number of Channels)16 channelsInteroperabilityONVIF 21.12(Profile T; Profile S; Profile G); CGI; SDKSMD PlusSchannels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition changeRecord ModeMulti-address mode, load balance, fault tolerance and other network port binding modesSMD Plus by Recorder8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition changeNetwork ModeMulti-address mode, load balance, fault tolerance and other network port binding modesSMD Plus by Camera16 channelsNetwork ModeMulti-address mode, load balance, fault tolerance and other network port binding modesVideo Metadata16 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSMetadata Performance of Al by Camera (Number of Channels)8 channelsRecord ModeGeneral, motion detection; intelligent; alarm; POSHuman AttributesTop color, top type, bottom color, bottom type, hat, bag,Top color, top type, bottom color, bottom type, hat, bag,Instant playback, general playback, (face and motion detection) playback (face and motion detection)	Performance of Al by Recorder (Number of	stream: 16 face images/s 2. 2-channe FD (by recorder) + FR (by recorder), video	Network Protocol	DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR,	
Performance of AI by Camera (Number of Channels)       16 channels         SMD Plus       Schannels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change       Network Mode       Multi-address mode, load balance, fault tolerance and other network port binding modes         SMD Plus by Recorder       8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change       Network Mode       Multi-address mode, load balance, fault tolerance and other network port binding modes         SMD Plus by Camera       16 channels       Metadata       Playback       Up to 16 channels         Video Metadata       ecord Mode       Record Mode       General, motion detection; intelligent; alarm; POS         Metadata Performance of Al by Camera (Number of Channels)       8 channels       Backup Method       USB device and network         Human Attributes       Top color, top type, bottom color, bottom type, hat, bag,       Instant playback, general playback, face and motion detection)	,	stream: 12 face images/s	Mobile Phone Access	iOS; Android	
Channels)       Ended	Performance of AI by	16 channels	Interoperability		
SMD Plus by Recorder       8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change       Network Mode       Multi-address mode, load balance, fault tolerance and other network port binding modes         SMD Plus by Camera       16 channels       16 channels       Multi-address mode, load balance, fault tolerance and other network port binding modes         Video Metadata       16 channels       Multi-address mode, load balance, fault tolerance and other network port binding modes         Video Metadata       16 channels       Multi-address mode, load balance, fault tolerance and other network port binding modes         Metadata Performance of Channels       8 channels       Record Mode       General, motion detection; intelligent; alarm; POS         Backup Method       USB device and network       Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)         Human Attributes       Top color, top type, bottom color, bottom type, hat, bag,       Playback Mode       Instant playback, general playback, face and motion detection)	Channels)		Browser	IE 9 or later	
Inighting condition change       Recording Playback         SMD Plus by Camera       16 channels       Multi-channel Playback       Up to 16 channels         Video Metadata       Record Mode       General, motion detection; intelligent; alarm; POS         Metadata Performance of Channels       A channels       Backup Method       USB device and network         Human Attributes       Top color, top type, bottom color, bottom type, hat, bag,       Playback Mode       Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)	SIVID Plus	8 channels: Secondary filtering for human and motor	Network Mode		
Video Metadata     Record Mode     General, motion detection; intelligent; alarm; POS       Metadata Performance of Al by Camera (Number of Channels)     8 channels     Backup Method     USB device and network       Human Attributes     Top color, top type, bottom color, bottom type, hat, bag,     Playback Mode     Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)	SMD Plus by Recorder		Recording Playback	Recording Playback	
Metadata     Metadata     Backup Method     USB device and network       Al by Camera (Number of Channels)     8 channels     Backup Method     USB device and network       Human Attributes     Top color, top type, bottom color, bottom type, hat, bag,     Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)	SMD Plus by Camera	16 channels	Multi-channel Playback	Up to 16 channels	
Al by Camera (Number of Channels)     8 channels       Human Attributes     Top color, top type, bottom color, bottom type, hat, bag,	Video Metadata		Record Mode	General, motion detection; intelligent; alarm; POS	
Human Attributes Top color, top type, bottom color, bottom type, hat, bag,	AI by Camera (Number of	8 channels	Backup Method		
Motor Vehicle Attributes     License plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle     Disk Group     YES	Motor Vehicle Attributes	License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle	Storage Disk Group	YES	
Non-motor Vehicle Attributes     Vehicle model, vehicle color, number of persons, helmet.		-			

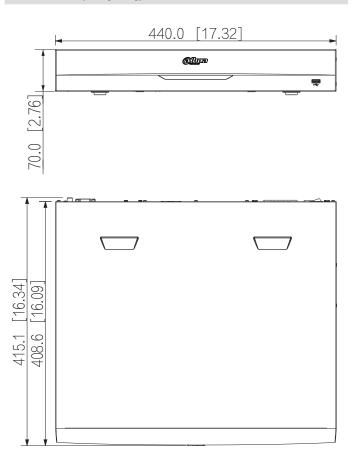
# Wiz Sense | DHI-NVR5416-EI

Alarm					
General Alarm	Motion detection; privacy masking; local alarm				
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception				
Intelligent Alarm	Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map				
Alarm Linkage	Record; snapshot (panoramic); local alarm output; IPC external alarm output; access controller; audio; buzzer; log, preset; email				
Port					
Audio Input	1-channel RCA				
Audio Output	2-channel RCA				
Alarm Input	16 channels				
Alarm Output	6 channels (1-channel 12 V 1 A output)				
HDD Interface	4 SATA ports, up to 16 TB.The maximum HDD capacity varies with environment temperature.				
eSATA	1				
RS-232	1				
RS-485	1 (half-duplex serial communication)				
USB	3(1 front USB 2.0 port, 2 rear USB 3.0 ports)				
HDMI	2				
VGA	2				
Network Port	2 (10/100/1000 Mbps Ethernet port, RJ-45)				
General					
Power Supply	100–240 VAC, 50-60 Hz				
Power Consumption	Total output of NVR is $\leq$ 13 W (without HDD)				
Net Weight	4.74 kg (10.45 lb)				
Gross Weight	6.11 kg (13.47 lb)				
Product Dimensions	440.0 mm × 415.1 mm x 70.0 mm (17.32" × 16.34" × 2.76") (W ×D × H)				
Packaging Dimensions	530.0 mm × 500.0 mm × 210.0 mm (20.87" × 19.69" × 8.27")(W × D × H)				
Operating Temperature	–10 °C to +55 °C (14 °F to +131 °F)				
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)				
Operating Humidity	10%–93% (RH)				
Installation	Rack or desktop				
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014 CE-LVD: EN 62368-1: 2014				

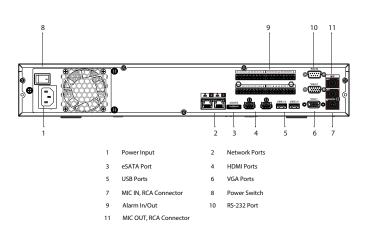
### **Ordering Information**

Туре	Model	Description
16 Channels WizSense NVR	DHI-NVR5416-EI	16 Channels 1.5U 4HDD WizSense Network Video Recorder

## Dimensions (mm[inch])



### Panels



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