



# DHI-NVR5864-EI

## 64 Channels 2U 8HDDs 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**

#### **AcuPick**

This industry-leading search technology effectively utilizes both frontend and back-end intelligence to help with searching through massive video data to quickly and conveniently locate targets with greater precision.

#### **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

- · Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- · Max. decoding capability: 32 × 1080p@30 fps or 32 × 2MP@30 fps.
- · Support AcuPick with Max. 16-Channel.
- · Support N+M cluster.
- · Support Raid0/1/5/6/10.
- · 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.
- · AI by camera: Face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting.
- · Security baseline 2.3.



#### **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.

#### **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.

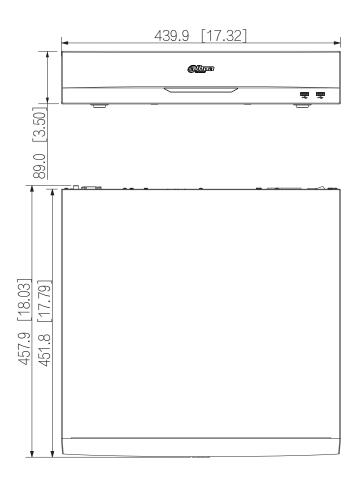
Technical Specification		Non-motor Vehicle Attributes	Vehicle model, vehicle color, number of persons, helmet.	
System		Vehicle License Plate	Vehicle License Plate Comparison	
Main Processor	Industrial-grade processor	ANPR by Camera (Number	8 channels	
Operating System	Embedded Linux	of Channels)	o diamete	
Operating Interface	Web, Local GUI	License Plate Database Capacity	<ol> <li>Create up to 20,000 plate numbers.</li> <li>Blocklist and allowlist</li> </ol>	
Al		Audio and Video	Audio and Video	
AI by Recorder	Face detection; face recognition; perimeter protection; SMD Plus	Access Channel	64	
Al by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map	Network Bandwidth	Al disabled: 384 Mbps incoming, 384 Mbps recording and 384 Mbps outgoing Al enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing	
AcuPick AI by Camera + Recorder	Max. 16-channel, 1 combined event per channel/s	Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF	
Perimeter Protection			Al disabled: 2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps;	
Perimeter Performance AI by Recorder (Number of Channels) Perimeter Performance of AI by Camera (Number of Channels)	4 channels, 10 IVS rules for each channel 16 channels	Decoding Capability	4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps; 8-channel 8 MP@30 fps; 12-channel 5 MP@30 fps; 16-channel 4 MP@30 fps; 32-channel 1080p@30 fps Al enabled: 1-channel 32 MP@20 fps; 1-channel 24 MP@20 fps; 2-channel 16 MP@30 fps; 4-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 8-channel 5 MP@30 fps; 12-channel 4 MP@30 fps; 24-channel 1080p@30 fps	
Face Detection			2 VGA, 2 HDMI	
Face Attributes	Gender; age group; glasses; expressions; face mask; beard	Video Output	VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI1 and	
Face Detection Performance of AI by Recorder (Number of Channels)	2 channels (up to 12 face images/s each channel)		HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2	
Face Detection Performance of Al by	16 channels	Multi-screen Display	Main screen: 1/4/8/9/16/25/36/64 Sub screen: 1/4/8/9/16	
Camera (Number of Channels)		Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung	
Face Recognition		Compression Standar	Compression Standard	
	Up 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.	Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
Face Database Capacity		Audio Compression	G.711a; G.711u; PCM; G726	
Face Recognition	1. 16-channel FD (by camera) + FR (by recorder), image	Network		
Performance of AI by Recorder (Number of Channels)	stream: 16 face images/s  2. 2-channe FD (by recorder) + FR (by recorder), video stream: 12 face images/s	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; DHCP; DNS; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports Dahua IP camera, DVR, NVS, etc.); Multicast; P2P; Auto Registration; iSCSI	
Face Recognition Performance of AI by	16 channels	Mobile Phone Access	iOS; Android	
Camera (Number of Channels)		Interoperability	ONVIF 22.06 (Profile T; Profile S; Profile G); CGI; SDK	
SMD Plus		Browser	Chrome;IE;Safari;Edge;Firefox	
SMD Plus by Recorder	8 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and	Network Mode	Multi-address mode, load balance, fault tolerance and other network port binding modes	
S.I.D Flad by Accorder	venicie , reducing faise alarms caused by leaves, rain and lighting 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 Al by Camera (Number of	8 channels	Backup Method	USB device and network	
Channels) 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)	
Motor Vehicle Attributes	age, gender and umbrella  License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.	Storage		
		Disk Group	Yes	

## Wiz Sense | DHI-NVR5864-EI

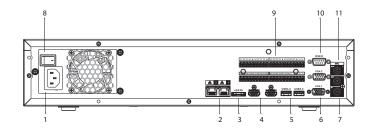
eSATA  1  RS-232  1  RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB  4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)  HDMI  2  VGA  2  Network Port  2(10/100/1000 Mbps Ethernet port, RJ-45)  General  Power Supply  100−240 VAC, 50-60 Hz  Power Consumption  Total output of NVR is ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2:						
General Alarm         Motion detection; privacy masking; local alarm           Anomaly Alarm         Camera offline; storage error; disk full; IP conflict; McC 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 people counting; ANPR; vehicle density	RAID	RAID 0/1/5/6/10				
Anomaly Alarm  Camera offline; storage error; disk full; IP conflict; MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception  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 people counting; ANPR; vehicle density; IP Centernal of the people of th	Alarm					
Anomaly Alarm  MAC conflict; login lock; abnormal behavior of fan; cybersecurity exception  Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles), SMD Plus; stereo analysis; crowd distribution; people counting; AMPI; vehicle density; heat map  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  8 channels (1-channel 12 ∨ 1 A output)  HDD Interface  8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA  1  RS-232  1  RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB  4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)  HDMI  2  VGA  2  Network Port  2 (10/100/1000 Mbps Ethernet port, RJ-45)  General  Power Consumption  Total output of NVR is ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  43.9.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × Dx H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (W × Dx 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  FCC: 47 CFR FCC Part15, SubpartB, Class A  CE-EMC: RN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2020; EN IEC 61000-3-3: 2013+A1: 202	General Alarm	Motion detection; privacy masking; local alarm				
Intelligent Alarm       video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR, vehicle density, heat map         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       8 channels (1-channel 12 V 1 A output)         HDD Interface       8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.         eSATA       1         RS-232       1         RS-485       2 (1 port for half-duplex serial communication), 1 port for full-duplex serial communication)         USB       4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)         HDMI       2         VGA       2         Network Port       2 (10)/100/1000 Mbps Ethernet port, RJ-45)         General       Power Supply         Power Supply       100-240 VAC, 50-60 Hz         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03"	Anomaly Alarm	MAC conflict; login lock; abnormal behavior of fan;				
Alarm Linkage 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 8 channels (1-channel 12 V 1 A output)  HDD Interface 8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA 1  RS-232 1  RS-485 2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB 4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight 9.01 kg (19.86 lb)  Product Dimensions 439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN \$5032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 20194A2: 2021; EN 55033: 2017+A11: 2020; EN IEC 61000-3-2: 20194A1: 2021; EN 55030: 2017-A11: 2030; CN 150-00-4: 2011+A1: 2019  Certifications	Intelligent Alarm	video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution;				
Audio Output  2-channel RCA  Audio Output  2-channel RCA  Alarm Input  16 channels  8 channels (1-channel 12 V 1 A output)  8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA  1  RS-232  1  RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication, 1 port for full-duplex serial communication)  USB  4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  3,50" (W ×D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2015+A1: 2020; EN IEC 61000-3-2: 2015+S1: 20	Alarm Linkage	external alarm output; access controller; audio; buzzer;				
Audio Output  Alarm Input  Alarm Output  B channels  Alarm Output  8 channels (1-channel 12 V 1 A output)  8 channels (1-channel 12 V 1 A output)  8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA  1  RS-232  1  RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB  4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  Installation  Rack or desktop  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN S5032: 2015+A1: 2020; EN IEC 61000-3-2: EN S5033: 2015+A1: 2020; EN IEC 61000-3-2: EN S5033: 2015-A1: 2020; EN IEC 61000-3-2: 2019-A1: 2021; EN S5033: 2015-A1: 2020; EN IEC 61000-3-2: EN S5033: 2015-A1: 2020; EN IEC 61000-3-3: 2011-A1: 202	Port					
Alarm Input  Alarm Output  8 channels (1-channel 12 V 1 A output)  8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA  1  RS-232  1  RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB  4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN 16E 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2014+A1: 2011+A1: 2014+A1: 2011+A1: 2014+A1: 2011+A1: 2014+A1: 2011+A1: 2014+A1: 201	Audio Input	1-channel RCA				
Alarm Output 8 channels (1-channel 12 V 1 A output)  HDD Interface 8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  eSATA 1  RS-232 1  RS-485 2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB 4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight 6.4 kg (14.11 lb)  Gross Weight 9.01 kg (19.86 lb)  Product Dimensions 439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions 570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  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 IEC 61000-3-2: 2019+A1: 2021; EN 55035: 2017+A11: 2020; EN IEC 61000-3-4: 2011+A1: 2014	Audio Output	2-channel RCA				
## BDD Interface  ## 8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.  ## 8 SATA  ## 1  ## 8 S-232  ## 8 S-485  ## 2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  ## 10 USB  ## 4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)  ## 10 USB  ## 10 USB 2.0 ports, 2 rear USB 3.0 ports)  ## 10 USB  ## 2 (10/100/1000 Mbps Ethernet port, RJ-45)  ## 10 USB  ## 10 USB 2.0 ports, 2 rear USB 3.0 ports)  ## 10 USB 3.0 ports  ## 10 USB 3.0	Alarm Input	16 channels				
eSATA 1  RS-232 1  RS-485 2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication) 1 port for full-duplex serial communication, 1 port for full-duplex serial communication)  USB 4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight 6.4 kg (14.11 lb)  Gross Weight 9.01 kg (19.86 lb)  Product Dimensions 439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 55035: 2017+A11: 2020; EN 51000-3-2: 2011+A1: 2020; EN IEC 61000-3-2: EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2021	Alarm Output	8 channels (1-channel 12 V 1 A output)				
RS-232 1  RS-485 2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  USB 4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight 6.4 kg (14.11 lb)  Gross Weight 9.01 kg (19.86 lb)  Product Dimensions 439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 55035: 2017+A11: 2020; EN S0130-4: 2011+A1: 2021	HDD Interface	8 SATA ports, each disk can contain up to 16 TB. This limit varies depending on the environment temperature.				
RS-485  2 (1 port for half-duplex serial communication, 1 port for full-duplex serial communication)  4 (2 front USB 2.0 ports, 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 ≤ 13 W (without HDD)  Net Weight  6.4 kg (14.11 lb)  Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  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	eSATA	1				
RS-485       full-duplex serial communication)         USB       4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)         HDMI       2         VGA       2         Network Port       2(10/100/1000 Mbps Ethernet port, RJ-45)         General       Power Supply         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         FCC: 47 CFR FCC Part15, Subpart8, 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 61000-3-3: 2013+A1: 2019+A2: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014	RS-232	1				
HDMI       2         VGA       2         Network Port       2(10/100/1000 Mbps Ethernet port, RJ-45)         General       Power Supply         Power Supply       100-240 VAC, 50-60 Hz         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         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 10: 2014-A1: 2014	RS-485	$2\ (1\ port\ for\ half-duplex\ serial\ communication,\ 1\ port\ for\ full-duplex\ serial\ communication)$				
VGA       2         Network Port       2(10/100/1000 Mbps Ethernet port, RJ-45)         General       100-240 VAC, 50-60 Hz         Power Supply       100-240 VAC, 50-60 Hz         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         FCC: 47 CFR FCC Part15, SubpartB, Class A CF-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	USB	4 (2 front USB 2.0 ports, 2 rear USB 3.0 ports)				
Network Port       2(10/100/1000 Mbps Ethernet port, RJ-45)         General       100-240 VAC, 50-60 Hz         Power Supply       100-240 VAC, 50-60 Hz         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W × D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         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	HDMI	2				
General         Power Supply       100-240 VAC, 50-60 Hz         Power Consumption       Total output of NVR is ≤ 13 W (without HDD)         Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W ×D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         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	VGA	2				
Power Supply         100–240 VAC, 50-60 Hz           Power Consumption         Total output of NVR is ≤ 13 W (without HDD)           Net Weight         6.4 kg (14.11 lb)           Gross Weight         9.01 kg (19.86 lb)           Product Dimensions         439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W ×D × H)           Packaging Dimensions         570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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           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	Network Port	2(10/100/1000 Mbps Ethernet port, RJ-45)				
$\begin{tabular}{lll} Power Consumption & Total output of NVR is $\le$ 13 W (without HDD) \\ \hline Net Weight & 6.4 kg (14.11 lb) \\ \hline Gross Weight & 9.01 kg (19.86 lb) \\ \hline Product Dimensions & 439.9 mm \times 457.9 mm \times 89.0 mm (17.32" \times 18.03" \times 3.50") (W \timesD \times H) \\ \hline Packaging Dimensions & 570.0 mm \times 570.0 mm \times 226.0 mm (22.44" \times 22.44" \times 8.90") (W \timesD \times 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 desktopFCC: 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$	General					
Net Weight       6.4 kg (14.11 lb)         Gross Weight       9.01 kg (19.86 lb)         Product Dimensions       439.9 mm × 457.9 mm × 89.0 mm (17.32" × 18.03" × 3.50") (W ×D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         FCC: 47 CFR FCC Part15, SubpartB, Class A CF-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	Power Supply	100–240 VAC, 50-60 Hz				
Gross Weight  9.01 kg (19.86 lb)  Product Dimensions  439.9 mm × 457.9 mm x 89.0 mm (17.32" × 18.03" × 3.50") (W ×D × H)  Packaging Dimensions  570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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  FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014	Power Consumption	Total output of NVR is $\leq$ 13 W (without HDD)				
Product Dimensions       439.9 mm × 457.9 mm x 89.0 mm (17.32" × 18.03" × 3.50") (W ×D × H)         Packaging Dimensions       570.0 mm × 570.0 mm x 226.0 mm (22.44" × 22.44" × 8.90") (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         FCC: 47 CFR FCC Part15, SubpartB, Class A CF-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	Net Weight	6.4 kg (14.11 lb)				
Product Dimensions       3.50") (W ×D × H)         Packaging Dimensions       570.0 mm × 570.0 mm × 226.0 mm (22.44" × 22.44" × 8.90") (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         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	Gross Weight	9.01 kg (19.86 lb)				
Packaging Dimensions       8.90") (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         FCC: 47 CFR FCC Part15, SubpartB, Class A CF-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	Product Dimensions	· ·				
Storage Temperature	Packaging Dimensions	·				
Operating Humidity 10%–93% (RH)  Installation Rack or desktop  FCC: 47 CFR FCC Part15, SubpartB, Class A	Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)				
Installation Rack or desktop  FCC: 47 CFR FCC Part15, SubpartB, Class A	Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)				
FCC: 47 CFR FCC Part15, SubpartB, Class A CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: Certifications 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014	Operating Humidity	10%-93% (RH)				
CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: Certifications 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4: 2011+A1: 2014	Installation	Rack or desktop				
	Certifications	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				

Ordering Information				
Туре	Model	Description		
64 Channels WizSense NVR	DHI-NVR5864-EI	64 Channels 2U 8HDDs WizSense Network Video Recorder		

## Dimensions (mm[inch])



### **Panels**



- Power Input
- eSATA Port
- **USB Ports**
- MIC IN, RCA Connector
- Alarm In/Out
- MIC OUT, RCA Connector
- Network Ports
- **HDMI** Port
- VGA Ports
- 8 Power Switch
- 10 RS-232 Port
- 11