



# DHI-NVR5832/5864-I

32/64Channel 2U WizMind Network Video Recorder





Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

## **System Overview**

Dahua new NVR5000-I network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

With build-in deep learning module, NVR5000-I series products adopt video image structuring technology based on deep learning algorithms, achieving high-precision human face recognition and perimeter protection. By applying deep learning artificial intelligence, NVR5000-I allows users to focus on what matters most, improves event response time and helps make video actionable.

The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS).

### **Functions**

### **Perimeter Protection**

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

# **Face Recognition**

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

#### **SMD Plus**

With intelligent algorithm, Dahua Smart Motion Detection technology can

- · 32/64 Channel IP video access
- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Up to 16 Channel perimeter protection
- Up to 4 Channel video stream face recognition
- Up to 22 face pictures/sec processing
- Up to 20 face databases with 100,000 face images in total



categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

#### Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

# **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 block/allowlist mode, searching target vehicles from recorded video.

#### **Fisheye Dewarping**

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The device offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

#### **People Counting by Camera**

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

# Stereo Analysis by Camara

With deep learning algorithm and scene 3-dimensional information, Dahua Stereo Analysis technology can recognize people's behaviors, such as fall detection, violence detection, strand detection, and space exception, and then generates alarm signals and triggers linkage.



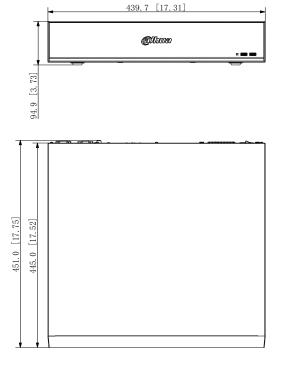
System  Main Processor  Multi-core embedded JINUX  Perimeter Protection  Performance  16 channel, 10 IVS rules for each channel Object classification Intrusion  Alsam, Nehicla Search Search by target classification (Human, Vehicle)  Performance  Alarm input	Technical Specification		Resolution	16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Main Processor   Mail core embedded processor   Record Interval   Authors   Main Processor   Per Interfer   Protection   Per Interfer   Protection   Per Interfer   Protection   Per Interfer   Protection   Record Interval   Rec	System		Record Mode	
Persisting System	Main Processor	Multi-core embedded processor	necora mode	
Performance	Operating System	Embedded LINUX	Record Interval	
Performance	Perimeter Protection		Raid Support	RaidO,Raid1,Raid5,Raid10
Object Lisasoffunction         Human/Notice decorations for representation for improvement of introduction         Higgs revents         Stagethor, Note Prompt, Duzzer and Screen Tips introduction           All Search         Search by started classification (Human, vehicle)         And minute 16 Chammed 16 Cham	Performance	16 channel, 10 IVS rules for each channel	Video Detection an	d Alarm
Assarch   Search bytanget classification (human, vehicle)   Wisso Detection   Timporing and Score Change   Face Cognition	Object classification		Trigger Events	Snapshot, Voice Prompt, Buzzer and Screen Tips
Max 22 face pictures/ace processing fromdeling and output of Channel	Al Search	Search by target classification (Human, Vehicle)	Video Detection	
Performance         Comparing In Part of Commentary (and possible professional professiona	Face Recognition		Alarm input	16 Channel
Achannel wideo stream face recognition (but PIC camera)   Sync Playback   M/N/15	Performance		Relay Output	6 Channel
Sync PlaySeck   17/9/18		g ,	Playback and Backup	
All Search  Up to 8 tamenty without search at same time, similarity threshold can be set for each target face images search at same time, similarity threshold can be set for each target face images in the stand Name, gender, brinds, instinuous dates, in information can be added to each face picture.  Database Application  Each database can be added to each face picture.  Trigger Events  Buzzer, Voice Primoto, Email, Snapsholt, Recording, Alarm Oru, PTZ-Activation, etc.  Metadata  Face  Gender, age, glasses, beard, mouth mask, expression.  Vehicle  Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.  Trigger Events  Alsearch  Vehicle  Plate No., type, color, without oxidor, hat, bag, gender, age, umbrella.  Non-motor Vehicle  Alsearch  Support search target video by metadata.  Aldio and Video  IP Camera Input  32/64 Channel  Two-way Talk  L'Channel Input, 1 Channel Output, RCA  Besolution  HDMIL/YSA: 1970 × 1080, 1280 × 1024, 1280 × 720  Ecoding Capability  Activity Salva × 1160, 1920 × 1080, 1280 × 1024, 1280 × 720  Ecoding Capability  Activity Salva × 116, 1920 × 1080, 1280 × 1024, 1280 × 720  Ecoding Capability  Authors of the Salva Maps (1600 Mbps when Al function enabled)  Environmental  Environmental	Character Manda	· · · · · · · · · · · · · · · · · · ·	Sync Playback	1/4/9/16
As SearCh  Lifeshold can be set for each target face image.  Database Management total. Name, gender, birthday, notionality, address, in bird-markino can be added to each face picture.  Database Application	Stranger Wode		Search Mode	
Database Management   International Name, gender, birthday, nationality, address, D   International Name (and to each face picture).   Third-party Support   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Pole   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Pole   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Pole   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Pole   Pole   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and more   Pole   Pole   Panasonic, Sony, Samsung, Axis, Pelco, Arecont, Onvilf, Carlon and More   Pole	Al Search		Backup Mode	USB Device/Network
Database Application   Each database can be applied to video channels independently.	Database Management	total. Name, gender, birthday, nationality, address, ID	Third-party Suppor	t
Prigger Events   Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.   Interface   2 RJ-45 Ports (10/100/1000 Mbps)	Database Application	Each database can be applied to video channels	Third-party Support	The state of the s
Metadata  Metada	Trigger Events		Network	
Face Gender, age, glasses, beard, mouth mask, expression.  Vehicle Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seathelt, region.  Human Body Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.  Non-motor Vehicle Type, color, number of passengers, helmet.  Al Search Support search target video by metadata.  Aldio and Video  IP Camera Input 32/64 Channel  Two-way Talk 1 Channel Input, 1 Channel Output, RCA 2 HDMI, 1 VGA 4 LSB And 1 eSATA 1 e	ingger events	Alarm Out, PTZ Activation, etc.	Interface	2 RJ-45 Ports (10/100/1000 Mbps)
Vehicle       Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.       Network Function       SMTP, NTP, DHCP, DNS, IP Filter, PPPG, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), P2P         Human Body       Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.       Max. User Access       128 users         Non-motor Vehicle       Type, color, number of passengers, helmet.       Interoperability       ONVIF 2.4, SDK, CGI         Al Search       Support search target video by metadata.       Storage         Audio and Video       8 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature         IP Camera Input       32/64 Channel       eSATA       1 eSATA         Display       Auxiliary Interface       4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)         Interface       2 HDMI, 1 VGA       USB       4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)         Resolution       HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720       RS232       1 Port, for PC Communication and Keyboard         Resolution       4 ch@8MP (30fps), 16-ch@1080P (30fps)       Electrical         Decoding Capability       4 ch@8MP (30fps), 16-ch@1080P (30fps)       Power Supply       Single, AC100V-240V, 50-60 Hz         Recording       Fan       Smart fan, automatically adjust running speed         Bandwi	Metadata		PoE	N/A
Vehicle       Plate No., Type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.       Max. User Access       128 users         Human Body       Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.       Mobile App       IPhone, iPad, Android         Non-motor Vehicle       Type, color, number of passengers, helmet.       Interoperability       ONVIF 2.4, SDK, CGI         Al Search       Support search target video by metadata.       Storage         Audio and Video       8 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature         I've -way Talk       1 Channel Input, 1 Channel Output, RCA       eSATA       1 eSATA         Display       Auxiliary Interface       USB       4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)         Interface       2 HDMI, 1 VGA       USB       4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)         Resolution       HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720       R5232       1 Port, for PC Communication and Keyboard         Pecoding Capability       4-ch@8MP (30fps), 16-ch@1080P (30fps)       Electrical         Power Supply       Single, AC100V-240V, 50-60 Hz         Power Consumption       NVR: <16.1W (Without HDD)	Face	Gender, age, glasses, beard, mouth mask, expression.	Naturali Frantian	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm
Human Body Top, top color, bottom color, hat, bag, gender, age, umbrella.  Non-motor Vehicle Type, color, number of passengers, helmet.  Al Search Support search target video by metadata.  Al Search Audio and Video  IP Camera Input Two-way Talk Ichannel Input, 1 Channel Output, RCA  Display  HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720  Resolution  HDMI2/S840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  Pecoding Capability Audio Sereen: 1/4/8/9/16  Peower Supply  Single, AC100V-240V, 50-60 Hz Power Consumption NVR: <16.1W (Without HDD)  Recording  Bandwidth Support search target video by metadata.  Mobile App IrPhone, iPad, Android Interoperability ONVIF 2.4, SDK, CGI Storage  SSATA III ports, up to 10 18 for a single HDD. The maximum HDD capacity varies with environment temperature temperature  ### SATA ### 1 eSATA ##	Vehicle		NELWOIK FUNCTION	
Mobile App   Phone, Pad, Android	Human Body		Max. User Access	128 users
Al Search Support search target video by metadata.  Al Search Al Search Support search target video by metadata.  Storage  Storage  B SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature  Two-way Talk 1 Channel Input, 1 Channel Output, RCA  Display  Interface  2 HDMI, 1 VGA  HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720  Resolution  HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  Pecoding Capability  4-ch@8MP (30fps), 16-ch@1080P (30fps)  1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Recording  Recording  Bandwidth 320 Mbps (160 Mbps when Al function enabled)  Compression  Smart H.265+/H.265/Smart H.264+/H.264/MJPEG  Storage  Storage  Storage  Storage  Storage  Storage  Storage  SATA 1 eSATA  1 eSATA  1 eSATA  1 eSATA  1 eSATA  1 Port, for PC Communication and Keyboard  FRS232 1 Port, for PC Communication and Keyboard  Electrical  Electrical  Power Supply Single, AC100V-240V, 50-60 Hz  Power Consumption NVR: <16.1W (Without HDD)  Fan Smart fan, automatically adjust running speed  Environmental	Non-motor Vehicle		Mobile App	iPhone, iPad, Android
Audio and Video  IP Camera Input  32/64 Channel  Internal HDD  B SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature  Two-way Talk  1 Channel Input, 1 Channel Output, RCA  ESATA  Auxiliary Interface  Interface  2 HDMI, 1 VGA  4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)  Resolution  HDMI2/ 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  Pecoding Capability  4-ch@8MP (30fps), 16-ch@1080P (30fps)  Multi-screen Display  1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Recording  Bandwidth  320 Mbps (160 Mbps when Al function enabled)  Compression  Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Al Search		Interoperability	ONVIF 2.4, SDK, CGI
Internal HDD  ***SATA** Ill ports, up to 1018 for a single HDD. The maximum HDD capacity varies with environment temperature  Two-way Talk  1 Channel Input, 1 Channel Output, RCA  **ESATA**  **Display  **Compression**  **Interface**  1 cSATA**  1 cSATA*	.,		Storage	
Two-way Talk  1 Channel Input, 1 Channel Output, RCA  2 HDMI, 1 VGA  4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)  Resolution  HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720  Resolution  HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  Pecoding Capability  4-ch@8MP (30fps), 16-ch@1080P (30fps)  Multi-screen Display  1 st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Recording  Bandwidth  320 Mbps (160 Mbps when AI function enabled)  Compression  Smart H.265+/H.265/Smart H.264+/H.264/MJPEG  Auxiliary Interface  USB  4 uSB Ports (2 Rear USB 3.0, 2 Front USB 2.0)  RS232  1 Port, for PTZ Control  RS232  1 Port, for PTZ Control  Single, AC100V-240V, 50-60 Hz  Power Supply  Fan  Smart fan, automatically adjust running speed  Environmental		32/64 Channel	Internal HDD	maximum HDD capacity varies with environment
Interface  2 HDMI, 1 VGA  4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)  Resolution  HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  RS232  1 Port, for PC Communication and Keyboard  RS485  1 Port, for PTZ Control  RS485  1 Port, for PTZ Control  Electrical  Power Supply  Single, AC100V-240V, 50-60 Hz  Power Consumption  NVR: <16.1W (Without HDD)  Recording  Bandwidth  320 Mbps (160 Mbps when Al function enabled)  Compression  Smart H.265+/H.265/Smart H.2654/MJPEG  PS8232  1 Port, for PTZ Control  RS485  1 Port, for PTZ Control  Single, AC100V-240V, 50-60 Hz  Power Consumption  NVR: <16.1W (Without HDD)  Environmental	Two-way Talk	1 Channel Input, 1 Channel Output, RCA	eSATA	
Interface 2 HDMI, 1 VGA USB A 4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)  Resolution HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 RS232 1 Port, for PC Communication and Keyboard  HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 RS485 1 Port, for PTZ Control  Recording Capability 4-ch@8MP (30fps), 16-ch@1080P (30fps)  Multi-screen Display 1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Power Supply Single, AC100V-240V, 50-60 Hz  Power Consumption NVR: <16.1W (Without HDD)  Recording  Bandwidth 320 Mbps (160 Mbps when Al function enabled)  Compression Smart H.265+/H.265/Smart H.2654/MJPEG	Display			
Resolution  HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720  RS485  1 Port, for PTZ Control  RS485  1 Port, for PTZ Control  Electrical  Fower Supply  Single, AC100V–240V, 50–60 Hz  Power Consumption  NVR: <16.1W (Without HDD)  Recording  Bandwidth  320 Mbps (160 Mbps when AI function enabled)  Compression  Smart H.265+/H.265/Smart H.264/MJPEG	Interface	2 HDMI, 1 VGA	·	4 USB Ports (2 Rear USB 3.0, 2 Front USB 2.0)
HDMI2: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 x720  Pecoding Capability  4-ch@8MP (30fps), 16-ch@1080P (30fps)  Multi-screen Display  1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Recording  Bandwidth  320 Mbps (160 Mbps when AI function enabled)  Compression  Smart H.265+/H.265/Smart H.264+/H.264/MJPEG  RS485  1 Port, for PTZ Control  Flectrical  Power Supply  Single, AC100V–240V, 50–60 Hz  Power Consumption  NVR: <16.1W (Without HDD)  Fan  Environmental		HDMI1/VGA: 1920 × 1080, 1280 × 1024, 1280 × 720	RS232	1 Port, for PC Communication and Keyboard
Decoding Capability  4-ch@8MP (30fps), 16-ch@1080P (30fps)  Multi-screen Display  1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16  Power Supply  Power Consumption  NVR: <16.1W (Without HDD)  Fan  Smart fan, automatically adjust running speed  Environmental  Environmental	Resolution		RS485	1 Port, for PTZ Control
Multi-screen Display  2nd Screen: 1/4/8/9/16  Power Consumption  NVR: <16.1W (Without HDD)  Recording  Fan Smart fan, automatically adjust running speed  Bandwidth 320 Mbps (160 Mbps when Al function enabled)  Environmental  Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Decoding Capability		Electrical	
Recording  Bandwidth 320 Mbps (160 Mbps when Al function enabled)  Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG  Power Consumption NVR: <16.1W (Without HDD)  Fan Smart fan, automatically adjust running speed  Environmental	Multi-screen Display		Power Supply	Single, AC100V–240V, 50–60 Hz
Fan Smart fan, automatically adjust running speed  Bandwidth 320 Mbps (160 Mbps when Al function enabled)  Environmental  Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG		zna Screen: 1/4/8/9/16	Power Consumption	NVR: <16.1W (Without HDD)
Environmental  Compression Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	_	220 Mbos /160 Mbos wbos Al function and I	Fan	Smart fan, automatically adjust running speed
			Environmental	
	Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Operating Conditions	-10°C to +55°C (+14°F to +131°F), 86–106kpa

# **Wiz Mind** | DHI-NVR5832/5864-I

Storage Conditions	0°C to +40°C (+32°F to +104°F), 30–85% RH			
Construction				
Dimensions	2U, 439.7 mm × 451.0 mm × 94.9 mm (17.31" × 17.75" × 3.73")			
Net Weight	6.70 kg (14.8 lb) (without HDD)			
Gross Weight	9.30 kg (20.5 lb) (without HDD)			
Certifications				
CE	EN55032, EN55024, EN50130-4, EN60950-1			
FCC	Part 15 Subpart B, ANSI C63.4-2014			
UL	UL 60950-1			

Ordering Information				
Туре	Model	Description		
32/64 Channel WizMind NVR	DHI-NVR5832/5864-I	32/64 Channel 2U WizMind Network Video Recorder		

# Dimensions (mm[inch])



# **Panels**

