

GX-HT-NVR5208-P8-EI

8 Channels 1U 8PoE 2HDDs WizSense Network Video Recorder



🐢 💔 Wiz Sense

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

Series Overview

NVR5000-EI series offers outstanding performance high-grade recording technology that make it ideal for IP video surveillance applications. It a powerful processor, that offers high access forwarding bandwidth strong decoding capabilities that together produce unimpeded streams. Thanks to its built-in AI chip advanced deep learning algorithms, NVR supports a variety of AI functions, such as high-precision face recognition perimeter protection. They shorten response time to events 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 front-end back-end intelligence to help with searching through massive video to quickly conveniently locate targets with greater precision.

Perimeter Protection

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

Face Detection

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

- · Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.
- \cdot . decoding capability: 32 × 1080p@30 fps or 8 × 8MP@30 fps.
- \cdot . 384 Mbps incoming/recording/outgoing bandwidth.
- \cdot Support AcuPick with . 16-Channel.
- · Support N+M cluster.
- Al by recorder: 2-channel face detection recognition, 4-channel perimeter protection, 8-channel SMD Plus.
- Al by camera: Face detection recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat, people counting.
- · Security baseline 2.3.



Face Recognition

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

Heat by Camera

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

ANPR by Camera

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

SMD Plus

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

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Technical Specification		Non-motor Vehicle Attributes	Vehicle model, vehicle color, number of persons, helmet.	
System			Vehicle License Plate Comparison	
Main Processor	Industrial-grade processor	ANPR by Camera (Number	-	
Operating System	Embedded Linux	of Channels)	8 channels	
Operating Interface	Web, Local	License Plate Database Capacity	1. Create up to 20,000 plate numbers. 2. Blocklist allowlist	
AI		Audio Video		
AI by Recorder	Face detection; face recognition; perimeter protection; SMD Plus			
	Face detection; face recognition; video metadata	Access Channel	8	
Al by Camera	(human, motor vehicles, non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat	Network Bandwidth	AI disabled: 384 Mbps incoming, 384 Mbps recording 384 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording 200 Mbps outgoing	
AcuPick Al by Camera + Recorder	. 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 Protectior	1		Al disabled: 2-channel 32 MP@20 fps; 2-channel 24 MP@20 fps;	
Perimeter Performance Al by Recorder (Number of Channels)	4 channels, 10 IVS rules for channel	Decoding Capability	4-channel 16 MP@30 fps; 5-channel 12 MP@30 fps; 8-channel 8 MP@30 fps AI enabled: 1-channel 32 MP@20 fps; 1-channel 24 MP@20 fps;	
Perimeter Performance of AI by Camera (Number of	8 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	
Channels) Face Detection			1 VGA, 1 HDMI VGA:1920 × 1080, 1280 × 1024, 1280 × 720 HDMI:3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI VGA	
Face Attributes	Gender; age group; glasses; expressions; face mask;	Video Output		
Face Detection	beard	Multi-screen Display	Main screen: 1/4/8/9	
Performance of AI by Recorder (Number of Channels)	2 channels (up to 12 face images/s channel)	Third-party Camera	screen: 1/4/8/9 ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon;	
Face Detection	8 channels	Access Samsung Compression Standard		
Performance of AI by Camera (Number of Channels)		Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	
Face Recognition		Audio Compression	G.711a; G.711u; PCM; G726	
Up to 20 face databases with 20,000 images, with a		Network	Network	
Face Database Capacity	total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions state be added to face image.	Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UDP; SNMP; NTP; ; ; SMTP; UPnP; IP Filter; PPPoE; FTP; DDNS; Alarm Server; IP Search (Supports IP camera, , NVS, etc.); Multicast; P2P; Auto Registration; iSCSI	
Face Recognition Performance of AI by	 8-channel FD (by camera) + FR (by recorder), image stream: 16 face images/s 2-channe FD (by recorder) + FR (by recorder), video stream: 12 face images/s 	Mobile Phone Access	iOS; Android	
Recorder (Number of Channels)		Interoperability	ONVIF 22.06 (Profile T; Profile S; Profile G); CGI; SDK	
Face Recognition Performance of AI by Camera (Number of	8 channels	Browser		
			Chrome;IE;Safari;Edge;Firefox	
Channels)			Recording Playback	
SMD Plus		Multi-channel Playback	Up to 8 channels	
SMD Plus by Recorder	8 channels: Secondary filtering for human motor vehicle , reducing false alarms caused by leaves, rain lighting condition change	Record Mode Backup Method	General, motion detection; intelligent; alarm; POS USB device network	
SMD Plus by Camera	8 channels		Instant playback, general playback, event playback,	
Video Metadata		Playback Mode	playback, smart playback (face motion detection)	
Metadata Performance of Al by Camera (Number of	8 channels	Storage Disk Group	Yes	
Channels) Human Attributes	Top color, top type, bottom color, bottom type, , ,	Alarm		
Motor Vehicle Attributes	age, gender umbrella License plate, plate color, vehicle body, vehicle model, vehicle logo, calling, seatbelt, vehicle interior, vehicle registration location.	General Alarm	Motion detection; privacy masking; local alarm	

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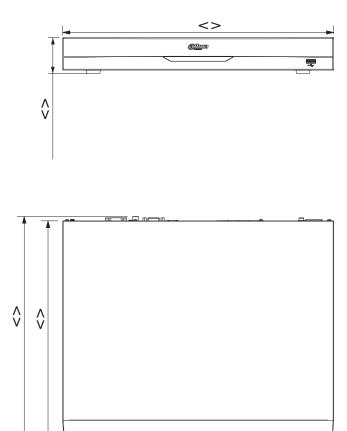
Anomaly Alarm	Camera offline; storage error; disk full; IP conflict; conflict; login lock; abnormal behavior of ; cybersecurity exception		
Intelligent Alarm	Face detection; perimeter protection; face recognition; video metadata (human, motor vehicles, non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat		
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	1-channel RCA		
Alarm Input	4 channels		
Alarm Output	2 channels		
Interface	2 ports, disk contain up to 16 TB. This limit varies depending on environment temperature.		
RS-232	1		
RS-485	1		
USB	2 (1 front USB 2.0 port, 1 rear USB 3.0 port)		
HDMI	1		
VGA	1		
Network Port	1(10/100/1000 Mbps Ethernet port, RJ-45)		
PoE Port	8 ports, 10/100 Mbps, IEEE 802.3 af/at, 1-8 ports support ePoE		
General			
Power Supply	100–240 , 47-63 Hz		
Power Consumption	Total output of NVR is ≤ 10 W (without) Total output power of PoE is 130 W, maximum output power of a single port is 25.5W		
Net Weight	2.57 kg (5.67 lb)		
Gross Weight	3.8 kg (8.38 lb)		
Product Dimensions	375.0 mm × 329.4 mm x 53.0mm (14.76" × 12.97" × 2.09") (W × D × H)		
Packaging Dimensions	451.0 mm × 147.0 mm × 425.0 mm (17.76" × 5.79" × 16.73") (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

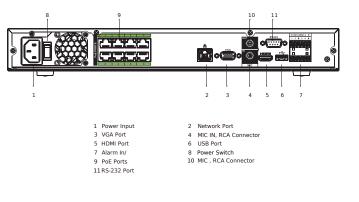
Туре	Model	Description
8 Channels WizSense NVR	GX-HT-NVR5208-P8-EI	8 Channels 1U 8PoE 2HDDs WizSense Network Video Recorder

Dimensions (mm[inch])

mm [inch]



Panels





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