



EAG-NVR-4K-2AI-8BB

8 Channel Compact 1U 4K 8PoE Network Video Recorder



These products adopt independent AI chip and deep learning algorithms. It focuses on people and vehicles with high accuracy, enabling users to act fast on defined targets.

System Overview

This AI network video recorder is a highly cost-effective economical product, providing functions such as local live view, multi-screen display, real-time storage on local HDD, fast operation by mouse, and remote management and control. This product is suitable for face detection and recognition at entrances/exits, and perimeter protection of people and vehicles.

Functions

New User Interface

Local and web interfaces adopt the new UI 4.0 style which caters to users habits. Functional modules are divided more clearly and easier to understand.

Decoding (Smart H.265+/Smart H.264+)

Smart encoding (H.265+/ H.264+) is the optimized implementation of (H.265/H.264) codec that uses a scene-adaptive code rate control algorithm, providing more efficiency in the encoding process and higher video quality, and reducing the cost of storage and transmission significantly. This NVR supports the corresponding decoding.

SMD Plus

SMD Plus, referred to as Smart Motion Detection Plus, is an upgraded version of SMD that greatly improves the alarm accuracy by loading deep-learning algorithm. It analyzes person and vehicle shapes based on motion detection and sends alarms only when person or vehicle intrudes.

- New 4.0 user interface
- Remote surveillance, live view and video play on mobile phone App
- Max. decoding capability: 4×1080P@30fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- H.264/.H265/Smart H.264+/Smart H.265+/MJPEG, H.265 auto switch
- 1 VGA/1 HDMI simultaneous video output by default, the maximum resolution of HDMI is 4K; and non-simultaneous video output is also supported, the maximum resolution is 1080P
- 1-channel face detection and recognition (AI by NVR); or 2-channel perimeter detection (AI by NVR); or 4-channel SMD (AI by NVR); up to 10 face databases and 5,000 face images
- All-channel AI by camera: face detection and comparison, perimeter protection and SMD
- · Security baseline 2.1

















Face Detection

Face detection detects 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

Face recognition is to analyse out the captured face with target features, and compare them with the face database

Perimeter Protection

Based on deep learning algorithms, perimeter protection provides accurate human and vehicle classification detection. It greatly reduces false alarms by smartly detecting behaviors such as tripwire and intrusion according to the detected object in restricted areas (e.g., for people or vehicles).



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Technical Specification				
System		Database Management		
Main Processor	Industrial-grade embedded processor	Database Application		
Operating System	Embedded Linux	Trigger Events		
Operation Interface	Web/operating in local GUI	Alarm Linkage		
Video		Perimeter Protection		
Access Channel	8 channels			
Network Bandwidth	200 Mbps for access, 200 Mbps for storage and 100 Mbps for forwarding.	Performance		
Resolution	12M/8M/5M/4M/3M/2M/720P/D1	Object classification		
Decoding Capability	1ch 8MP@30fps 4ch 1080P@30fps	Al Search		
/ideo Output	1 VGA/1 HDMI simultaneous video output by default, the maximum resolution of HDMI is 4K	Alarm		
Multi-screen Display	1/4/8/9	General Alarm		
Third Party Camera Access	Onvif, RTSP	Anomaly Alarm		
Compression		Alarm Linkage		
Video	H.264/.H265/Smart H.264+/Smart H.265+/MJPEG	External Port	External Port	
Audio	PCM/G711A/G711U/G26/AAC	HDD	:	
Network		USB		
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, RTSP, UDP, NTP, DHCP, DNS	НДМІ		
Mobile Phone Access	Android, iOS	VGA		
Interoperability	ONVIF (profile T/profile S/profile G), CGI, SDK	Network		
Browser	Chrome, IE9 or above, Firefox			
Record Playback		RCA Input		
Multi-channel Playback	Up to 8 channels playback	RCA Output		
Docard Mada	Priority of record mode: Manual recording > alarm	General Parameter		
Record Mode	recording > motion detection recording > timed recording	Power Supply		
Storage	Local HDD and network	Power Consumption		
Backup	USB device 1. Play, pause, stop, fast forward, fast backward, rewind,	Net Weight	(
Playback Function	play by frame 2. Full screen, backup (cut/file), partially enlarge, audio	Gross weight	2	
SMD Plus	on/off	Product Dimensions	2	
SIVID PIUS Performance	4 channels	Package Dimensions	1	
Al Search	4 channels Search by target classification (Human, Vehicle)	Operating Temperature		
	Scarcing target classification (number, vehicle)	Storage Temperature		
Face Recognition	May 0 face pietures/s	Operating Humidity		
Performance	Max 8 face pictures/sec processing	Storage Humidity		
	1 channel video stream face recognition Detect strangers' faces (not in device's face database).	Operating Altitude		
Stranger Mode	Similarity threshold can be set manually.	Installation		
AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target face	Certifications		
	image.			



Dimensions (mm[inch])

