

AMX-3041L-32-4KS2/I

32 Channel 1.5U 4HDDs Network Video Recorder



WEC IMAXCAMPRO 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.

Series Overview

This AI network video recorder is a highly cost-effective 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 and exits, and perimeter protection of people and vehicles.

Functions

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

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

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.

- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format
- Access, storage or forwarding at 256 Mbps (160 Mbps when Al function enabled)
- Max. decoding capability: 10 \times 1080p@30 fps. Supports adaptive decoding
- Al by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel SMD Plus
- Al by Camera: Face detection and recognition, perimeter protection; SMD Plus; ANPR; people counting; stereo analysis; heat map
- Security baseline 2.1



SMD Plus

With intelligent algorithm, 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.

AI Search

Support AI seach by metadata of different targets or uploading face pictures to device and comparing them with recorded faces by similarity. Enable operators to quickly and easily search through multi channels and long duration, efficiently find out when and where a person of interest appeard.

Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically turns on or turns off according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

Technical Specification

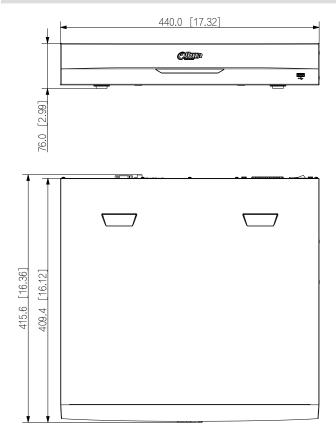
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Resolution 16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1	Network Bandwidth	256 Mbps Al on: Access: 160 Mbps; Storage: 160 Mbps; Forward:		
	Resolution	16MP; 12MP; 8MP; 5MP; 4MP; 3MP; 2MP; 720p; D1		

Decoding Capability	Al off: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 4 channels × 5MP@30 fps; 5 channels × 4MP@30 fps; 10 channels × 1080p@30 fps Al on: 1 channel × 16MP@20 fps; 1 channel × 12MP@20 fps; 2 channels × 8MP@30 fps; 3 channel × 5MP@30 fps; 4 channels × 4MP@30 fps; 8 channels × 1080p@30 fps			
Video Output	1-ch VGA output and 1-ch HDMI output; simultaneous/ heterogeneous video sources output for VGA and HDMI is configurable			
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9			
Third Party Camera Access	Panasonic; Sony; Samsung; Axis, Pelco; Arecont; ONVIF; Canon; RTSP			
Compression				
Video	Smart H.265+; Smart H.264+; H.265; H.264; MJPEG			
Audio	PCM; G.711A; G.711U; G.726			
Network				
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search P2P; auto register			
Mobile Phone Access	Android; iOS			
Interoperability	ONVIF(profile T/S/G); CGI; SDK			
Browser	Chrome; IE9 or later; firefox			
Record Playback	Record Playback			
Multi-channel Playback	Up to 16 channels			
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent)			
Storage Method	Local HDD; network			
Backup	USB device			
Playback Function	 Play; pause; stop; fast forward; fast backward; rewind; play by frame Full screen; backup (cut/file) ; partially enlarge; audio on/off 			
Alarm				
General Alarm	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm			
Anomaly Alarm	Camera disconnection; storage error; disk full; IP conflict; MAC conflict; login locked; and cybersecurity exception			
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map			
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email			
External Port				
HDD	4 SATA ports, up to 10 TB. The maximum HDD capacity varies with environment temperature			
USB	1 front USB 2.0 port, 1 rear USB 3.0 port			
HDMI	1 (max. resolution: 4K)			
VGA	1			
Network	2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports			
RCA Input	1			

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RCA Output	1	
Alarm Input	16	
Alarm Output	6	
RS-232	1 channel, used to debug and pass through serial data	
RS-485	1 channel, used to control PTZ, and it supports multiple protocols	
General Parameter		
Power Supply	Single, 100 V-240 V AC, 50 Hz-60 Hz	
Power Consumption	Total output of NVR is \leq 8 W (without HDD)	
Net Weight	4.25 kg (9.35 lb)	
Gross Weight	6.48 kg (18.41 lb)	
Product Dimensions	440.0 mm × 415.6 mm x 76.0 mm (17.32" × 16.36" × 2.99") (W × L × H)	
Package Dimensions	529.0 mm × 499.0 mm × 211.0 mm (20.83" × 19.65" × 9.31") (W × L × H)	
Operating Conditions	-10 °C to +55 °C (+10 °F to +131 °F)	
Storage Conditions	0 °C to +40 °C (32 °F to 104 °F)	
Operating Humidity	10%-93%	
Storage Humidity	30%-85%	
Operating Altitude	3,000 m (9,843 ft)	
Installation	Desktop/Rack mount	
Certifications	FCC:47 CFR FCC Part15,SubpartB,Class A CE-EMC:EN 55032:2015,Class A;EN IEC 61000- 3-2:2019;EN 61000-3-3:2013+A1:2019;EN 55024:2010+A1:2015;EN 55035:2017;EN 50130- 4:2011+A1:2014 CE-LVD:EN 62368-1:2014+A11:2017	

Dimensions (mm[inch])



Panels

Ordering Information

Туре	Model	Description
32 Channel NVR	NVR304L-32-4KS2/I	32 Channel 1.5U 4HDDs Network Video Recorder

