# AMX-302A-08/8P-4KS2/L



# 8 Channel 1U 2HDDs 8PoE 4K&H.265 Lite Network Video Recorder



## **Series Overview**

**THE IMAXCAMPRO** introduced as the first Lite series NVR that supports for 4K and H.265 encoding technology with excellent performance at an affordable price. For applications where image details are highly required, it delivers the capability of 4K resolution processing. The NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

### Functions

#### Perimeter Protection by Camera

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.

#### **SMD Plus by Camera**

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.

#### Heat Map by Camera

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.

- New UI interface with more easier operation experience
- Smart H.265+/ Smart H.264+
- P2P remote surveillance, video play on mobile device
- 8-ch@1080P(30FPS), self-adaptive decoding capability
- Supports mainstream cameras of ONVIF and RTSP protocol
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- Remote configuration and management of IPCs, such as setting parameters, acquiring information and upgrading IPCs of the same model in batches
- DHCP(Dynamic Host Configuration Protocol), HTTP(Hypertext Transfer Protocol), NTP(Network Time Protocol) and DDNS(Dynamic Domain Name System)



### 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.

### ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to device and then recorded in it.

### Smart Codec

With advanced scene-adaptive rate control algorithm, smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### DMSS

The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access back-end devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.

# **Technical Specification**

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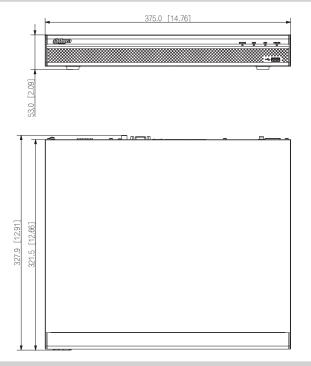
Main ProcessorIndustrial-grade embedded processorOSEmbedded LinuxOperation InterfaceWeb/operating in local GUIVicleoStannelsAccess Channel8 channelsNetwork BandwidthIs00 Mbps for access, 160 Mbps for storage and 64 Mbps for forwardingPecoding Capability2 che/4 K(30 fps)/4ch/4 MP(30 fps)/8ch/2 1080 P(30 fps)Video Output1 VGA/1 HOM simultaneous video output, maximum resolution 4 K HDM: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × YOGA: 1920 × 1080, 1280 × YOGA: 1920 × YOGA: 1920 × YOGA: 1920 × 1080, 1280 × YOGA: 19	System				
Comport of the strength of the	Main Processor	Industrial-grade embedded processor			
VideoAccess Channel8 channelsNetwork Bandwidth160 Mbps for access, 160 Mbps for storage and 64 Mbpsfor forwardingResolution8 MP/SMP/J080P/720P/D1/CIFDecoding Capability2 ch@4K[30fps]/dch@4MP[30fps]/dch@1080P[30fps]Video Output1/VGA/1 HDMI simultaneous video output, maximum resolution 4KMulti-screen Display1/VGA/1 HDMI simultaneous video output, maximum resolution 4KMulti-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPCompression5VideoSmart H.265+/H.265/Smart H.264+/H.264Audio6.711A/G.711U/PCM/G726NetworkProtocolMobile Phone AccessIDMSS (IOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserOndone, IE9 or above, FirefoxMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > metion detection recording > limed recording > metion detection recording > limed recording > metion detection recording > alarm recording > metion detection re	OS	Embedded Linux			
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Network Bandwidth160 Mbps for access, 160 Mbps for storage and 64 Mbpsfor forwardingResolution8MP/SMP/4MP/3MP/1080P/720P/D1/CIFDecoding Capability2ch@4K(30fps)/4ch@4MP(30fps)/8ch@1080P(30fps)Video Output1 <sup>VQA/1</sup> HDM simultaneous video output, maximum resolution 4K HDMI: 3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 VGA: 1920 x 1080, 1280 x 1024, 1280 x 720Multi-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPVideoSmart H.265+/H.265/Smart H.264+/H.264Audio6.711A/G.711U/PCM/G726NetworkFortocolMobile Phone AccessiDMSS (IOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackPriority of record mode: Manual recording > alarm recording > motion detection recording > alarm recording > motion detection recording > alarm recording > notion detection recording > alarm recording > notion detection recording > alarm recording > motion detection recording > alarm recording > notion detection recording > alarm recording > notion detection recording > alarm recording > notion detection recording > alarm recording > motion detection recording > alarm recording > notion detection recording > notion detection	Video				
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External Port 2 SATA ports, up to 10 TB for a single HDD. The	Anomaly Alarm	storage, IP conflict, MAC conflict, login lock, network			
2 SATA ports, up to 10 TB for a single HDD. The	Alarm Linkage	Video recording, snapshot, log, preset point, tour			
	External Port				
temperature.	HDD	maximum HDD capacity varies with environment			

USB	1 front USB 2.0 port, 1 rear USB 2.0 port		
HDMI	1		
VGA	1		
RCA Input	1		
RCA Output	1		
Alarm	4 alarm input ports, 2 alarm output ports		
Network	1 RJ–45 port (10/100/1000 Mbps), 8 RJ–45 ports with PoE power supply (10/100 Mbps)		
General Parameter			
Power Supply	100V-240V, 47Hz-63HZ, 3.5A		
Power Consumption	Total output of NVR is $\leq$ 10W (without HDD) Total output power of PoE is 117W, the maximum output power of a single port is 25.5W		
Net Weight	2.51 kg (5.53 lb) (without HDD)		
Gross weight	3.79 kg (8.36 lb) (without HDD)		
Dimensions	375 mm × 327.4 mm × 53.8 mm (W × L × H) 14.76 inch × 12.89 inch × 2.12 inch (W × L × H)		
Packaging Dimensions	170 mm $\times$ 449 mm $\times$ 421 mm (W $\times$ L $\times$ H) 6.69 inch $\times$ 17.68 inch $\times$ 16.57 inch (W $\times$ L $\times$ H)		
Operating Temperature	-10°C to +55°C (+14°F to +131°F)		
Storage Temperature	0°C to +40°C (+32°F to +104°F)		
Operating Humidity	10%-90%		
Storage Humidity	30%-85%		
Operating Altitude	3000 m (9843 ft)		
Installation	Desktop mounted		
Certification	CE/FCC		

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Ordering Information			
Туре	Model	Description	
8 Channel NVR	NVR302A-08/8P-4K S2/L	8 Channel 1U 8PoE Network Video Recorder	

# Dimensions (mm[inch])



# **Rear Panel**

