AMX-7116-128/R-4KS2



64/128 Channel 3U Ultra series Network Video Recorder



Introduction

iMaxCamPro next generation network video recorder offers unparalleled recording technology for IP video surveillance applications. For applications where details are critical for identification, this enterprise-level NVR provides a powerful Intel processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage.

This NVR is ideal for a wide range of applications such as public safety, transportation stations, government institutions, hotel resorts, shopping malls, city centers, and financial institutions, where demand expansion flexibility, high reliability and centralized storage management.

The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multi-user access and is compatible with ONVIF.

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.

Video Metadata by Camera

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

- · New 4.0 user interface
- 16-channel decoding @1080p (30 fps); self-adaptive decoding capabil ity
- Access, storage or forwarding at 384 Mbps
- Simultaneous video output for VGA and HDMI1; 4K heterogeneous output for the 2 HDMI ports
- Multiple data mode such as Raid0, Raid1, Raid5, Raid6, and Raid10
- Remote configuration and management of IPCs, such as setting pa rameters, acquiring information and upgrading IPCs of the same model in batches
- Al-by-camera functions such as perimeter protection, face detection and recognition SMD Plus, video metadata, ANPR and 3D behavi
- N+M c an the host fails, the standby device will continue to record; once the host recovers, video recorded on the standby device will be transmitted back





















ANPR by Camera

With deep learning algorithm, 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.

Stereo Analysis by Camara

With deep learning algorithm and scene 3-dimensional information, 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.

N+M Hot Standby

The highly reliable redundancy N+M Hot Standby design provides a secure, failover technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

RAID

Support RAID 0,RAID 1,RAID 5,RAID 6,RAID 10 (optional). It can Improve your storage speed, while ensuring data security.

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Network Bandwidth 384 Mbps for access, 384 Mbps for storage and 384 Mbps for forwarding Resolution 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/ 1080p/960p/720p/D1/CIF/QCIF Decoding Capability 16-ch@1080p (30 fps) VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160@25 fps, 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160@25 fps, 1920 × 1080, 1280 × 1024, 1280 × 700 Alarm Input Video Output Video Output Video Output 1 channel VGA output, 2 channels HDMI output, VGA and HDMI 1 homologous output, double HDMI heterogeneous output. Support 4K display for both HDMI1 and HDMI2 1st Screen: 1/4/8/9/16/25/36/64 Multi-screen Display Adiain Input 1 channel, RCA connector Audio Output 1 channel, RCA connector HDD 16 SATA III ports, up to 10 TB for a single HDD Alarm Input 16 channels Alarm Output 8 channels Preset, email External Port Audio Input 1 channel, RCA connector Audio Output	Video			
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VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160 @25 fps, 1920 × 1080, 1280 × 1024, 1280 × 720 1 channel VGA output, 2 channels HDMI output, VGA and HDMI 1 homologous output, double HDMI heterogeneous output. Support 4K display for both HDMI1 and HDMI2 1st Screen: 1/4/8/9/16/25/36/64 Alarm Input 16 channels 8 channels 8 channels 1 eSATA 1 eSATA Multi-screen Display	Decoding Capability	16-ch@1080p (30 fps)	Audio Output	1 channel, RCA connector
Wideo Output Page 25 fps, 1920 × 1080, 1280 × 1024, 1280 × 720	Video Output	HDMI1/HDMI2: 3840 × 2160@30 fps, 3840 × 2160 @25 fps, 1920 × 1080, 1280 × 1024, 1280 × 720 1 channel VGA output, 2 channels HDMI output, VGA and HDMI 1 homologous output, double HDMI heterogeneous output. Support 4K display for both	HDD	16 SATA III ports, up to 10 TB for a single HDD
VGA and HDMI 1 homologous output, double HDMI heterogeneous output. Support 4K display for both HDMI1 and HDMI2 1st Screen: 1/4/8/9/16/25/36/64 Multi-screen Display Alarm Output 8 channels eSATA 1 eSATA SAS 1 Mini SAS Port, for Storage Expansion			Alarm Input	16 channels
HDMI1 and HDMI2 eSATA 1 eSATA 1st Screen: 1/4/8/9/16/25/36/64 SAS 1 Mini SAS Port, for Storage Expansion Multi-screen Display			Alarm Output	8 channels
Multi-screen Display			eSATA	1 eSATA
	Multi-screen Display	1st Screen: 1/4/8/9/16/25/36/64	SAS	1 Mini SAS Port, for Storage Expansion
		2nd Screen: 1/4/8/9/16	RS-232	1 channel, used to debug and pass through serial data

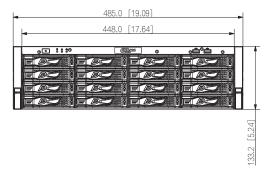
RS-485	1 channel, used to control PTZ, and it supports multiple protocols
USB	2 front USB 2.0 ports, 2 rear USB 3.0 ports
HDMI	2
VGA	1
Network	6 in total, 4 × RJ45 10/100/1000 Mbps self-adaptive Ethernet ports and 2 × 1000 Mbps optical port

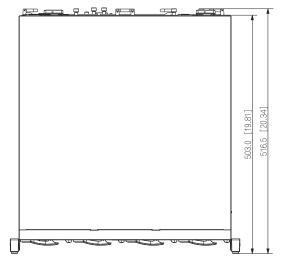
General Parameter

Power Supply	Redundant, AC100V–240V, 50–60 Hz	
Power Consumption	< 51 W (Without HDD)	
Net Weight	19.1 kg (42.1 lb) (Without HDD)	
Gross Weight	28.5 kg (62.8 lb) (Without HDD)	
Product Dimensions	485 mm × 516.5 mm × 133.2 mm (W × L × H) 19.09 inch × 20.34 inch × 5.24 inch (W × L × H)"	
Package Dimensions	648 mm × 723 mm × 445 mm (W × L × H) 25.51 inch × 28.46 inch × 17.52 inch (W × L × H)	
Operating Conditions	-10°C to +55°C (+14°F to +131°F), +35°C (+95°F) when raid enabled	
Storage Conditions	0°C to +40°C (+32°F to +104°F)	
Operating Humidity	10%-93% (RH)	
Storage Humidity	30%-85% (RH)	
Operating Altitude	3000 m (9843 ft)	
Certifications	CE: EN55022, EN55024, EN50130-4, EN60950-1 FCC: Part 15 Subpart B, ANSI C63.4-2014 UL: UL 60950-1 and CAN/CSA C22.2 No.60950-1	

Ordering Information				
Туре	Model	Description		
64 Channel NVR	NVR716S-128/R-4KS2	64 Channel Ultra Series 4K H.265 Network Video Recorder		
128 Channel NVR	NVR716S-128/R-4KS2	128 Channel Ultra Series 4K H.265 Network Video Recorder		

Dimensions (mm[inch])





Panels

