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

~

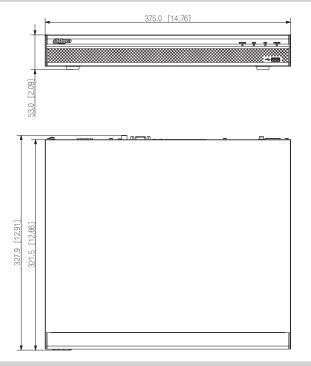
Main ProcessorIndustrial-grade embedded processorOSEmbedded LinuxOperation InterfaceWeb/operating in local GUIVicleoStannelsAccess Channel8 channelsNetwork BandwidthIs00 Mbps for access, 160 Mbps for storage and 64 Mbps for forwardingPecoding Capability2 che/4 K(30 fps)/4ch/4 MP(30 fps)/8ch/2 1080 P(30 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			
Access Channel8 channelsAccess Channel160 Mbps for access, 160 Mbps for storage and 64 Mbpsfor forwardingNetwork Bandwidth160 Mbps for access, 160 Mbps for storage and 64 Mbpsfor forwardingResolution2ch@4K(30fps)/4ch@4MP(30fps)/8ch@1080P(30fps)Decoding Capability2ch@4K(30fps)/4ch@4MP(30fps)/8ch@1080P(30fps)Video Output1VGA/1 HDMI simultaneous video output, maximum resolution 4K HDMI: 3840 × 2160, 1220 × 1080, 1280 × 1024, 1280 × 720Multi-screen Display1/4/8/9Third Party Camera Access0NVIF, RTSPCompressionSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726NetworkMobile Phone AccessIobMSs (iOS)/gDMSs (Android)Access StandardONVIF (profile S), CGI, SDKBrowserMulti-channel PlaybackUp to 8 channels playbackRecord PlaybackPriority of record mode: Manual recording > alarm recording is > motion detection recording > timed recording is > motion detection recording > timed recording is > motion detection recording > alarm recording is > motion detection recording > timed recording is > motion detection recording > alarmPlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame o. "offict storage error, full storage error, full storage error, full screen, backup (cut/file), partially enlarge, audio o/offictAlarmMotion detection, privacy masking, video loss, IPC alarmAlarmVideo recording, snapshot, log, preset point, tourExternal PortVideo recording, snapshot, log, preset point, tour	Operation Interface	Web/operating in local GUI			
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 ^{VQA/1} 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				
Network BandwidthMbpsfor forwardingResolutionBMP/SMP/4MP/3MP/1080P/720P/D1/CIFDecoding Capability2ch@4k(30fps)/4ch@4MP(30fps)/8ch@1080P(30fps)Video OutputLYGA/1 HDM1 simultaneous video output, maximum resolution Ak HDM1: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × Y20 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720Multi-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPCompressionSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726NetworkIMDSS (IOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUIs to 8 channels playbackRecord Mode1.Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. cording > motion detection recording > alarm recording > motion detection recording > motion on/off	Access Channel	8 channels			
Decoding Capability2ch@4K(30'ps)/4ch@4MP(30'ps)/8ch@1080P(30'ps)Decoding Capability1\CQ4 HDM simultaneous video output, maximum resolution 4K HDM: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720Multi-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPCompressionVideoSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726NetworkNetworkiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxMulti-channel PlaybackUp to 8 channels playbackRecord ModeLocal HDDBackupUSB deviceJayback Function.1 Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio or/offAlarmKotoin detection, privacy masking, video loss, IPC alarm recordingAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2	Network Bandwidth				
Number1 VGA/1 HDMI simultaneous video output, maximum resolution 4k NDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 200 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720Multi-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPCompressionVideoSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726NetworkNetwork ProtocolHTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackRecord ModeID ServiceStorageLocal HDDBackupUSB deviceAlarmNetwork from recording × motion detection recording > alarm recording * motion detection recording > alarm play by frame 2. Full screen, backup (cut/file), partially enlarge, audio ordifJalarm LinkageVideo recording, snapshot, log, preset point, tourExternal PortZ SATA ports, up to 10 TB for a single HDD. The	Resolution	8MP/5MP/4MP/3MP/1080P/720P/D1/CIF			
Video Outputresolution 4K HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720Multi-screen Display1/4/8/9Third Party Camera AccessONVIF, RTSPCompressionSmart H.265+/H.265/Smart H.264+/H.264Audio6.711A/G.711U/PCM/G726NetworkG.711A/G.711U/PCM/G726Network ProtocolHTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (IoSJ/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord Mode1.Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio or/offJarmStorageI. Play, pause, stop, fast forward, fast backward, rewind, playback FunctionGeneral AlarmMotion detection, privacy masking, video loss, IPC alarm scurity anomalyAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network scurity anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal POrt2 SATA ports, up to 10 TB for a single HDD. The	Decoding Capability	2ch@4K(30fps)/4ch@4MP(30fps)/8ch@1080P(30fps)			
Third Party Camera AccessONVIF, RTSPCompressionSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726AudioG.711A/G.711U/PCM/G726NetworkProve Name Name Name Name Name Name Name Nam	Video Output	resolution 4K HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720			
CompressionVideoSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726AudioG.711A/G.711U/PCM/G726NetworkHTTP, HTTP, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > limed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Fuil screen, backup (cut/file), partially enlarge, audio on/offAnomaly AlarmFront-end device going offline, storage error, full 	Multi-screen Display	1/4/8/9			
VideoSmart H.265+/H.265/Smart H.264+/H.264AudioG.711A/G.711U/PCM/G726NetworkNetwork ProtocolHTTP, HTTPS, TCP/IP, IPV4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAnomaly AlarmFront-end device going offline, storage error, full scurity anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Third Party Camera Access	ONVIF, RTSP			
AudioG.711A/G.711U/PCM/G726NetworkHTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio offAlarmMotion detection, privacy masking, video loss, IPC alarm storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Compression				
NetworkNetwork ProtocolHTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Video	Smart H.265+/H.265/Smart H.264+/H.264			
Network ProtocolHTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, P2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAlarmMotion detection, privacy masking, video loss, IPC alarmAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Audio	G.711A/G.711U/PCM/G726			
Network ProtocolP2PMobile Phone AccessiDMSS (iOS)/gDMSS (Android)Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAlarmMotion detection, privacy masking, video loss, IPC alarmAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Network				
Access StandardONVIF (profile S), CGI, SDKBrowserChrome, IE9 or above, FirefoxRecord PlaybackUp to 8 channels playbackMulti-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAlarmMotion detection, privacy masking, video loss, IPC alarmAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Network Protocol				
Browser Chrome, IE9 or above, Firefox Record Playback Up to 8 channels playback Multi-channel Playback Up to 8 channels playback Record Mode Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording Storage Local HDD Backup USB device Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Mobile Phone Access	iDMSS (iOS)/gDMSS (Android)			
Record Playback Multi-channel Playback Up to 8 channels playback Record Mode Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording Storage Local HDD Backup USB device Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Access Standard	ONVIF (profile S), CGI, SDK			
Multi-channel PlaybackUp to 8 channels playbackRecord ModePriority of record mode: Manual recording > alarm recording > motion detection recording > timed recordingStorageLocal HDDBackupUSB devicePlayback Function1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/offAlarmMotion detection, privacy masking, video loss, IPC alarmAnomaly AlarmFront-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomalyAlarm LinkageVideo recording, snapshot, log, preset point, tourExternal Port2 SATA ports, up to 10 TB for a single HDD. The	Browser	Chrome, IE9 or above, Firefox			
Record Mode Priority of record mode: Manual recording > alarm recording > motion detection recording > timed recording Storage Local HDD Backup USB device Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Record Playback				
Record Mode recording > motion detection recording > timed recording Storage Local HDD Backup USB device Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Multi-channel Playback	Up to 8 channels playback			
Backup USB device Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm Motion detection, privacy masking, video loss, IPC alarm General Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Record Mode	recording > motion detection recording > timed			
Playback Function 1. Play, pause, stop, fast forward, fast backward, rewind, play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm General Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Storage	Local HDD			
Playback Function play by frame 2. Full screen, backup (cut/file), partially enlarge, audio on/off Alarm General Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Backup	USB device			
General Alarm Motion detection, privacy masking, video loss, IPC alarm Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Playback Function	play by frame 2. Full screen, backup (cut/file), partially enlarge, audio			
Anomaly Alarm Front-end device going offline, storage error, full storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	Alarm				
Anomaly Alarm storage, IP conflict, MAC conflict, login lock, network security anomaly Alarm Linkage Video recording, snapshot, log, preset point, tour External Port 2 SATA ports, up to 10 TB for a single HDD. The	General Alarm	Motion detection, privacy masking, video loss, IPC alarm			
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		

1

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

