

4K Penta-brid HDCVI DVR

8-Channel 1U Digital Video Recorder with Analytics+





WizSense Series devices combine Dahua's powerful Analytics+ with an intuitive and easy to use interface. WizSense devices offer Smart Motion Detection and Perimeter Protection functions that focus on human and vehicular images and ignore irrelevant images to capture important video while reducing false alarms. WizSense Series devices provide powerful general security for small to medium size businesses at a sensible price.

System Overview

The X82R Series HDCVI DVR offers 4K recording on each HDCVI channel and a host of advanced features and functions. The X82R takes advantage of HDCVI technology for easy integration into existing video security systems while leveraging existing networks, cabling, and cameras. Penta-brid access technology seamlessly records video from HDCVI, AHD, TVI, CVBS, and IP sources simultaneously, plus the DVR delivers 4K resolution on each HDCVI or IP channel.

Functions

Perimeter Protection

Dahua Analytics+ includes Tripwire and Intrusion functions that offer custom tripwires based on object type for automation in limited access areas. Perimeter Protection requires less pixels to detect an object to deliver improved accuracy and decreased false alarms due to lights, weather, trees, or animals.

Smart Motion Detection

The Smart Motion Detection, a component of Dahua's Analytics+ technology, improves alarm accuracy and decreases the number of false alarms. The advanced SMD algorithm analyzes a scene for human or vehicle motion, while filtering out other motion due to trees, leaves, animals, weather, and triggers an alarm when detected.

- 4K at 15 fps Recording Resolution on All HDCVI Channels
- Available with a 2 TB, 4 TB, 6 TB, or 8 TB Pre-installed Hard Drive
- Dual-stream Video Recording
- Al Coding Technology for High-quality Human/Vehicle Video
- Auto-detection and Auto-configuration of Video Inputs
- 8 + 8 IP Camera Channels, each channel up to 8MP
- Maximum 128 Mbps Incoming Bandwidth
- Perimeter Protection and Smart Motion Detection (SMD)
- Long-distance Video Transmission
- Five-year Warranty*













AI Coding

The AI Coding function puts recording emphasis on human or vehicular objects in the video scene. This technology, based on constant bit rate (CBR), dynamically allocates increased bit rate to the target object while reducing the bit rate allocated to background objects. AI Coding reduces bit rate and storage requirements by up to 50% when compared to the H.265 video compression standard.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 90% when compared to the H.264 video compression standard.

4K Resolution

The HDCVI DVR records 4K resolution on each HDCVI and IP channel. 4K is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

HDCVI/AHD/TVI/CVBS Auto-detect

The HDCVI DVR automatically recognizes the incoming signals of each attached camera without any setup, making installation easy and operation convenient.

Long Distance Transmission

HDCVI technology guarantees real-time transmission over long distances without loss of video quality. HDCVI devices provide the same resolution as most IP network camera systems using existing RG-59, RG-6, or CAT 6 UTP cabling.

Pro Series | X82R2A Series

Technical Specification				
System				
Main Processor	Embedded Processor			
Operating System	Embedded LINUX			
Analytics+ Perimeter P	rotection ¹			
Performance	Human and Vehicle object classification Decreased false alarms from leaves, lights, animals Configure function on two (2) channels, or configure function on one (1) channel to use seven (7) channels for SMD Tripwire/Intrusion rules per channel			
Live View	Configure Rule and Object Inspection area Display object classification, event types, trigger time, image snapshot, and object types Export event playback 10 seconds prior to or after event			
Playback	Search by channel, time, event type, and target type Search event playback 10 seconds prior to or after event Snapshot capacity: 500,000			
Analytics+ Smart Motio	on Detection¹			
Performance	Detect motion based on object classification (human or vehicle) Decreased false alarms from leaves, lights, animals Configure functions on eight (8) channels, or configure functions on seven (7) channels to use one (1) channel of Perimeter Protection			
Preview	Configure and inspect detection area			
Playback	Search by channel, time, event type, and target type Search event playback 10 seconds prior to or after event			

Analog Camera Input HDCVI 8 MP, 6 MP, 5 MP, 4 MP, 1080p, 720p AHD 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVS 8+8 Channels, each channel up to 8 MP (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Audio Input Channel 1 In/ Audio Output, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 8 MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps Sub Stream Sub Stream 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop I to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 1 s to 30 s Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	Interface	Interface			
AHD 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p TVI 8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p CVBS NTSC 8+8 Channels, each channel up to 8 MP (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Output: One (1) Channel, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution B MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Sub Stream Sub Stream Main Stream Sub Stream Sub Stream Max. Incoming Bandwidth 128 Mbps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 30 o s Post-record: 10 s to 30 o s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	Analog Camera Input		Eight (8) Channels, BNC		
TVI 28 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p CVBS NTSC 8+8 Channels, each channel up to 8 MP (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Two-way Talk Audio Input Channel 1 In/ Audio Output, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution 8 MP, 5 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Band Stream Main Stream Sub 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Max. Incoming Bandwidth 128 Mbps Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Record Interval Record Interval Audio Compression Audio Compression A KHz, 16 bits per Channel	HDCVI		8 MP, 6 MP, 5 MP, 4 MP, 1080p, 720p		
CVBS NTSC 8+8 Channels, each channel up to 8 MP (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Two-way Talk Audio Input Channel 1 In/ Audio Output, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution B MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Audio Sample Rate Nain Stream Main Stream Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 8 MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Max. Incoming Bandwidth 128 Mbps Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	AHD		8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p		
IP Camera Input 8+8 Channels, each channel up to 8 MP (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Two-way Talk Audio Input Channel 1 In/ Audio Output, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution B MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Audio Sample Rate Main Stream Main Stream Main Stream Main Stream Main Stream Al Main Stream B MP at 15 fps or 6 MP/5 MP at 20 fps or 4 K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Max. Incoming Bandwidth 128 Mbps Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	TVI		8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p		
IP Camera Input (The recording rate is dependent on the maximum resolution and frame rate of the connected IP camera.) Audio Input: Four (4) Channels, RCA Output: One (1) Channel, RCA Two-way Talk Audio Input Channel 1 In/ Audio Output, RCA Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution Record Rate Main Stream Al Pat 15 fps or 6 MP/5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps Sub 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	CVBS		NTSC		
Audio Output: One (1) Channel, RCA Two-way Talk Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution Record Rate Main Stream Main Stream Sub Sub Stream Stream Max. Incoming Bandwidth Bit Rate Record Mode Record Mode Record Mode Record Interval Record Interval Record Interval Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Record Mode Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Record SmP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	IP Camera Input		(The recording rate is dependent on the maximum		
Recording Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution By Main Stream Stream Al P at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps Sub 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop Record Interval Record Interval Audio Compression Audio Sample Rate Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 8 MP, 6 MP, 5 MP, 4 K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 5 MP/5 MP at 20 fps or 4 K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 6 MP/5 MP at 20 fps or 4 K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 4 K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 5 Under the stream of the s	Audio				
Compression Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Recording Resolution 8 MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Main Stream 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	Two-way Talk		Audio Input Channel 1 In/ Audio Output, RCA		
Recording Resolution 8 MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Main Stream 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	Recording				
Record Rate Main Stream 8 MP at 15 fps or 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	Compression		Al Coding, Smart H.265+, H.265, Smart H.264+, H.264		
Record Rate Stream 6 MP/5 MP at 20 fps or 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF at 30 fps 960H at 15 fps; D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	Recording Resolution				
Stream D1, CIF at 30 fps Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	Record Rate		6 MP/5 MP at 20 fps or		
Bit Rate 32 Kbps to 8192 Kbps per Channel Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel			1. 7		
Manual, Schedule (Regular, Continuous), MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression Audio Sample Rate Manual, Schedule (Regular, Continuous), Pre-record: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (0 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression 8 KHz, 16 bits per Channel	Max. Incoming	Bandwidth	128 Mbps		
Record Mode MD (Video Detection: Motion Detection, Video Loss, Tampering), Alarm, Stop 1 to 60 minutes (default: 60 minutes), Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	Bit Rate		32 Kbps to 8192 Kbps per Channel		
Record Interval Pre-record: 1 s to 30 s, Post-record: 10 s to 300 s Audio Compression G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	Record Mode		MD (Video Detection: Motion Detection, Video Loss,		
Audio Sample Rate 8 KHz, 16 bits per Channel	Record Interval		Pre-record: 1 s to 30 s,		
	Audio Compression		G.711a, G.711u, PCM		
Audio Bit Rate 64 Kbps per Channel	Audio Sample Rate		8 KHz, 16 bits per Channel		
	Audio Bit Rate		64 Kbps per Channel		

The Analytics+ functions are disabled when the additional 9 to 16 IP channels are active. If channel 7 or 8 connect to an IP camera, the Analytics+ functions can be used on analog channels 1 to 6.

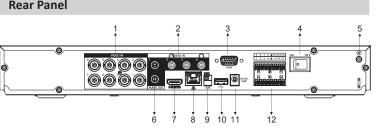
RS485

One (1) Port for PTZ Control

Display			Electrical		
Interface		One (1) HDMI (3840 x 2160) One (1) VGA (1920 x 1080)	Power Supply	12 VDC, 5 A	
HDMI or VGA, configurable (HDMI: 1920 x 1080,1280 x 1024, 1280 x 720 VGA: 1920 x 1080,1280 x 1024, 1280 x 720)		HDMI or VGA, configurable	Power Consumption	< 15 W, without HDD	
		Construction			
HDMI		3840 x 2160, 2560 x 1440, 1920 x 1080,	Dimensions		
Native Output Resolution	VGA	1280 x 1024, 1280 x 720 1920 x 1080, 1280 x 1024, 1280 x 720	HDCVI DVR	1U, 375.0 mm x 287.0 mm x 53.0 mm (14.76 in. x 11.30 in. x 2.09 in.)	
		Eight (8) Channels of 8 MP at 7 fps Eight (8) Channels of 6 MP or 5 MP at 10 fps Eight (8) Channels of 4 MP or 3 MP at 15 fps	with PFH101 Rack Mount Tray	482.6 mm x 287.0 mm x 53.0 mm (19.0 in. x 11.30 in. x 2.09 in.)	
Maximum Blavh	a ck		Net Weight	1.80 kg (3.97 lb)	
Maximum Playb Decoding	OdCK	Eight (8) Channels of 1080p, 720p, 960H at 30 fps Four (4) Channels of 8 MP at 15 fps	Gross Weight	3.10 kg (6.805 lb)	
		Four (4) Channels of 6 MP or 5 MP at 20 fps Four (4) Channels of 4 MP/3MP/1080p/720p at 30 fps	Installation	Desktop or Rack-mount	
		One (1) Channel of 8 MP at 30 fps	Video Transmission	n Distance	
Multi-screen Dis	splay	IP extension mode disabled: 1/4/8/9 IP extension mode enabled: 1/4/8/9/16	RG-59/U Coax	720p: 800 m (2624.67 ft) 1080p: 500 m (1640.42 ft)	
Fisheye Dewarp		Supported via Web Interface		4K/4MP: 500 m (1640.42 ft)	
On-screen Displ	ay	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, Recording	RG-6/U Coax	720p: 1200 m (3937.01 ft) 1080p: 800 m (2624.67 ft) 4K/4MP: 700 m (2296.59 ft)	
Network			CAT 6 UTP (balun required)	720p: 450 m (1476.38 ft) 1080p: 300 m (984.25 ft)	
Interface		One (1) RJ-45 (1000 Mbps) Port		4K/4MP: 300 m (984.25 ft)	
Network Function	on	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P, IP Search (Supports Dahua IP cameras, DVRs, NVS)	Environmental Operating Conditions	-10° C to +55° C (+14° F to +131° F), 0% to 90% RH	
Maximum User	Access	128 Users			
Mobile Operation	ng System	IOS, Android	Storage Conditions Third party Suppose	-20° C to +70° C (-4°F to +158° F), 0% to 90% RH	
Interoperability		ONVIF 16.12, CGI Conformant	Third-party Suppo		
	Video Detection and Alarm		Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canor Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsu Sanyo, Sony, Videotec, Vivotek, and others		
Trigger Events		Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	Certifications		
Video Detection	ı	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis	Safety	UL 62368-1 EN 60950-1	
Alarm Input		Eight (8) Channels		IEC 60950-1	
Relay Output		Three (3) Channels		FCC CFR 47 Part 15 Subpart B EN 61000-3-2	
Playback and	Playback and Backup		Electromagnetic Compatibility (EMC)	EN 61000-3-3 EN 55032	
Playback		1/4/9		EN 50130 EN 55024	
Search Mode		Time/Date, Alarm, MD and Exact Search (accurate to 1 second)			
Playback Function	on	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, and Digital Zoom			
Backup Mode		USB Device/Network			
Storage					
Internal HDD		Two (2) SATA Ports, up to 10 TB capacity for each disk			
Auxiliary Inte	erface				
USB		One (1) USB 2.0 Port and One (1) USB 3.0 Port			

Pro Series | X82R2A Series

Ordering Information				
	X82R2A	No pre-installed HDD		
4K HDCVI DVR with Analytics+	X82R2A2	8-Channel Penta-brid 4K 1U, 2 TB Digital Video Recorder		
	X82R2A4	8-Channel Penta-brid 4K 1U, 4 TB Digital Video Recorder		
	X82R2A6	8-Channel Penta-brid 4K 1U, 6 TB Digital Video Recorder		
	X82R2A8	8-Channel Penta-brid 4K 1U, 8 TB Digital Video Recorder		
Accessory, optional	PFH101	Rack Mount Tray 482.60 mm x 281.20 mm x 43.7 mm (19.0 in. x 11.07 in. x 1.72 in.)		
Rear Panel				



1	Video Input (x8 BNC)	7	HDMI Output
2	Audio Input (x4 RCA)	8	RJ-45 Ethernet Port (1000 Mbps)
3	VGA Output	9	RS485 Port
4	Power Switch	10	USB Port
5	Ground	11	Power Input
6	Audio Output (x1 RCA)	12	Alarm Input (x8) Alarm Output (x3)

