

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 Eight (8) Channels, BNC 8 MP, 6 MP, 5 MP, 4 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 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 8 MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Record Rate Main Stream Al Pat 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 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 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel Audio Bit Rate 64 Kbps 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 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 Main Stream Main Stream Main Stream Main Stream Sub Stream Main Stream Sub Stream Main Stream Sub Stream Main Stream Sub Stream Main Stream 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	Analog Camera Input		Eight (8) Channels, BNC			
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 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, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Record Rate Sub 960H 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 Max. Incoming Bandwidth 128 Mbps Bit Rate 32 Kbps to 8192 Kbps per Channel Record Mode 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	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 Al Coding, Smart H.265+, H.265, Smart H.264+, H.264 Record Rate Main Stream Al Pat 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 960H at 15 fps; D1, CIF at 30 fps 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 300 s Audio Compression Audio Sample Rate 8 KHz, 16 bits per Channel	AHD		8 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p			
Seed	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 B MP, 6 MP, 5 MP, 4K-N, 4 MP, 3 MP, 1080p, 720p, 960H, D1, CIF Record Rate Main Stream Stream Al Pat 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 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 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			
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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 Record Interval 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	Recording					
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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 G.711a, G.711u, PCM Audio Sample Rate 8 KHz, 16 bits per Channel	Recording Reso	lution				
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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			• •			
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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 R	ate	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.

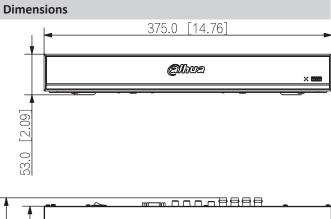
RS485

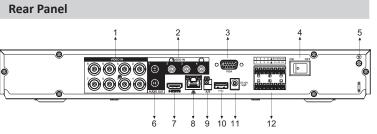
One (1) Port for PTZ Control

Mathiest	Display				Electrical			
Power Consumption	Interface				Power Supply	12 VDC, 5 A	A	
Make	HDMI or VGA, configurable Spot Output (HDMI: 1920 x 1080,1280 x 1024, 1280 x 720				Power Consumption	< 15 W, wit	hout HDD	
Native output Name				Construction				
Maximum User Access 128 Users 1987, Park (Super Stabus Per Super Stabus Per Super Stabus Per Super Stabus Per Super Supe	HDAA			Dimensions				
Fight (8) Channels of 8 MP st 7 (p) Eight (8) Channels of 6 MP or 5 MP st 10 (p) Eight (8) Channels of 6 MP or 5 MP at 10 (p) Eight (8) Channels of 6 MP or 5 MP at 10 (p) Eight (8) Channels of 6 MP or 15 MP at 15 (p) Four (7) Channels of 8 MP at 15 (p) Four (7) Channels of 8 MP at 15 (p) Four (7) Channels of 8 MP at 30	Resolution				HDCVI DVR			
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Four (4) Channels of 8 MP at 15 fps Four (4) Channels of 8 MP at 20 fps Four (4) Channels of 8 MP at 20 fps Four (4) Channel of 8 MP at 20 fps Four (Maximum Blavh	a ck	Eight (8) Channels of 4 MP or 3 MP at 15 fps		Net Weight	1.80 kg (3.9	1.80 kg (3.97 lb)	
Four 4) Chamnel of M M 34 Ors		OCK	- ' '		Gross Weight	3.10 kg (6.8	3.10 kg (6.805 lb)	
Multi-screen Display Protession mode disabled: 1/4/8/9 Prote			·		Installation	Desktop or	Rack-mount	
Pextension mode enabled. 1/4/8/9/16 RG-59/U Coax 1000; Soom 1/2/24/9 * 170; 1000					Video Transmission	n Distance		
On-screen Display Camera Trile, Time, Video Loss, Camera Lock, Motion Detection, Recording Network Interface One (1) RI-45 (1000 Mbps) Port DHEP, TCP/Pi, Pis-Alpris, Uphp, STRSP, UDP, SMTP, NTP, Diplom, STRSP, UDP, SMTP, NTP, DIPLOM, SM		. ,	IP extension mode enabled: 1/4/8/9/16		RG-59/U Coax	1080p:	500 m (1640.42 ft)	
On-screen Display Camera Tile, Time, Video Loss, Camera Lock, Motion Detection, Recording Network Interface One (1) RJ-5 (1000 Mbps) Port Network Function PHTP, TCP/IP, IPMA/IPMS, UPPe, STSP, U.P., SMTP, N.P., Interface, PPP, PB Sanch (Supports Dahua IP cameras, DVRs, NVS) Maximum User Access 128 Users Mobile Operating System Interoperability ONVIF 16.12, GGI Conformant Video Detection and Alarm Network Evention Wideo Detection, Motion Detection, Mo Zones: 396 (22 x 18), video Loss, Tampering, and Diagnosis Alarm Input Relay Output Three (3) Channels Relay Output Time/Date, Alarm, MD and Exact Search Recurding to 1 second) Playback 1/4/9 Search Mode Quest and Screen (B) Playback Function Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Play Support Playback Function Play Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Play Support Playback Function Play Pause, Stop, Rewind, Fast Play, Slow Play, Next File, Compatibility (EMC) Playback Function Play, Pause, Stop, Rewind, Fast Play, Slow Play, Next File, 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 Interface	Fisheye Dewarp		Supported via Web Interface					
Interface One (1) RI-45 (1000 Mbps) Port (balun required) 48/4MP: 300 m (984.25 ft) 48/4MP: 300	On-screen Displ	ay			RG-6/U Coax	1080p:	800 m (2624.67 ft)	
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Network Function Discr, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P, IP Search (Supports Dahua IP cameras, DVRs, NVS) Maximum User Access 128 Users 10S, Android Interoperability ONVIF 16.12, CGI Conformant Video Detection and Alarm Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback 1/4/9 Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) Playback Function Playback Function Playback Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shriffe, Backup Selection, and Digital Zoom Backup Mode USB Device/Network Auxiliarry Interface Play Super Conditions -10° C to +55° C (+14° F to +131° F), 0% to 90% RH Third-party Support Third-party Support Third-party Support Third-party Support Third-party Support Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sarnyo, Sony, Videotec, Vivotek, and others Certifications Certifications Certifications Electromagnetic Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC) FCC CFR 47 Part 15 Subpart B Electromagnetic Compatibility (EMC)	Interrace		` , ` , , ,			4N/4IVIF.	300 III (364.23 It)	
Maximum User Access 128 Users Storage Conditions -20" C to +70" C (-4"F to +158" F), 0% to 90% RH Mobile Operating System IOS, Android Third-party Support Interoperability ONVIF 16.12, CGI Conformant Video Detection and Alarm Trigger Events Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback and Backup Playback Function 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 Auxiliarry Interface	Network Function DHCP, DNS,		DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server,			-10° C to +	55° C (+14° E to +131° E)	
Mobile Operating System IOS, Android Interoperability ONVIF 16.12, CGI Conformant Video Detection and Alarm Trigger Events Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Video Detection Wotion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback Imme/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Auxiliarry Interface	Maximum User	Access	128 Users					
Interoperability ONVIF 16.12, CGI Conformant Video Detection and Alarm Trigger Events Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback 11/4/9 Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) Playback Function 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 Interface	Mobile Operatir	ng System	IOS, Android				70 C (-4 F t0 +158 F), 0% t0 90% KH	
Trigger Events Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback Search Mode 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 Auxiliary Interface Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips Certifications Certifications Safety LL 62368-1 EN 60950-1 EN 60950-1 IEC 60950-1 EN 60950-1	Interoperability		ONVIF 16.12, CGI Conformant		1 / 11		cont Vision, AXIS, Bosch, Brickcom, Canon, CP	
Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback 1/4/9 Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) Playback Function 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 Interface	Video Detec	Video Detection and Alarm			Third-party Support Plus, Dyn		color, Honeywell, Panasonic, Pelco, Samsung,	
Video Loss, Tampering, and Diagnosis Alarm Input Eight (8) Channels Relay Output Three (3) Channels Playback and Backup Playback Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) Playback Function Playback Function Playback 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 Interface	Trigger Events				Certifications			
Alarm Input Relay Output Three (3) Channels Playback and Backup Playback Playback 1/4/9 Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Interface	Video Detection	ı			Safety	EN 60950-1	1	
Playback and Backup Playback Itime/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Interface	Alarm Input		Eight (8) Channels					
Playback 1/4/9 Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Interface	Relay Output		Three (3) Channels			EN 61000-3	3-2	
Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Interface	Playback and Backup				•			
Search Mode Time/Date, Alarm, MD and Exact Search (accurate to 1 second) 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 Interface	Playback		1/4/9					
Playback Function 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 Interface	Search Mode							
Storage Internal HDD Two (2) SATA Ports, up to 10 TB capacity for each disk Auxiliary Interface	Playback Function	on	Previous File, Next Camera, Previous Camera, Full Screen,					
Internal HDD Two (2) SATA Ports, up to 10 TB capacity for each disk Auxiliary Interface	Backup Mode		USB Device/Network					
Auxiliary Interface	Storage							
·	Internal HDD		Two (2) SATA Ports, up to 10 TB capacity for each disk					
USB One (1) USB 2.0 Port and One (1) USB 3.0 Port	Auxiliary Into	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.)		





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)

