

XVR514L-32

32 Channel Penta-brid 1080P Lite 1.5U Digital Video Recorder





- · Embedded processor
- · H.264+/H.264 dual-stream video compression
- · Support HDCVI/AHD/TVI/CVBS/IP video inputs
- \cdot Max 32 channels IP camera inputs, each channel up to 5MP
- · Max 128Mbps Incoming Bandwidth
- \cdot Smart Search and Intelligent Video System



XVR514L-32 32 Channel Penta-brid 1080P Lite 1.5U Digital Video Recorder

System Overview

Presenting the XVR, a perfect solution to upgrade existing video surveillance systems. The XVR supports penta-brid access technology, allowing effortless integration with popular industry formats including HD-CVI, AHD, HD-TVI, CVBS, and IP. This offering is an affordable solution loaded with flexible options.

Designed with compatibility in mind, the XVR makes use of a coaxial system's most popular features (namely the lower system cost, simple plugand-play installation, and use of existing cable), while incorporating the extensibility of a network camera system. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection, and education.

Func ions

Smart H.264+

Smart Codec, H.264+ can reduce up to 70% in bandwidth and storage requirements without having to invest in new cameras.

HD-CVI/AHD/HD-TVI/CVBS Auto-detect

The XVR can automatically recognize the camera's signal type without any settings changes.

5MP Resolution

The XVR supports 5MP HD resolution (2560 x 1920) IPC input for recording and live viewing.

Spot Output

Now selectable for either VGA or HDMA, "Spot Output" allows the operator to designate a secondary monitor specially assigned to view selected cameras in a specific arrangement or a programmed tour.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed.

Face Detection

This technology allows for users to search or identify individuals in footage by faces.

Smart Search

This function helps operators get even more out of motion detection by allowing the users to search a certain drawn region in a camera's view, highlighting movement within their respective timestamps. It is very useful when an emergency occurs.

XVR514L-32



32 Channel Penta-brid 1080P Lite 1.5U Digital Video Recorder

Technical Specification

OSD detection, Recording Video Detection and Alarright PTZ, Tour, Alarm Out, Video Push, Email FTB, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis Alarm input &/16/16 Relay Output 6 Playback and Backup Jack Pilayback and Backup Playback Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Storage Internal HDD Just Jort, for PTZ control Rs232 1 port, for PTZ control Rs485 1 Port, for PTZ control Rs485 1 Port, for PTZ control Rs485 1 Port, for PTZ control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	icennear opecineation	
Operating System Embedded LINUX Display 32CH: 21DMI, 1 VGA, 1 TV Interface 920×1080, 1280×1024, 1280×720, 1024×768 Resolution 32CH: 21DMI, 1 VGA, 1 TV Multi-screen Display 32CH: 21DMI, 14GA, 12M OSD camera title, Time, Video loss, Camera lock, Motio detection, Recording Video Detection and AUT Frigger Events Frigger Events Recording, PTZ, Tour, Alarm Out, Video Push, Email TP, Snapshot, Buzzer and Screen Tips Video Detection \$161/16 Idram input 6 Playback \$161/16 Flayback and Backup 2 Playback Scrien (JArm, MD and Exact Search (accurate Tipe, Previous Edmera, Previous Camera, Previ	System	
Piperoning of planting Piperoning of planting Display 32CH: 2 HDMI, 1 VGA, 1 TV Interface 32CH: 2 MDMI, 1 VGA, 1 TV Resolution 32CH: 2 MDMI, 1 VGA, 1 TV Multi-screen Display 32CH: 2 MDMI, 1 VGA, 1 TV OSD Camera title, Time, Video loss, Camera lock, Motio detection, Recording. Video Detection and Al- Piperoning of planting of the	Main Processor	Embedded Processor
Interface32CH: 2 HDMI, 1 VGA, 1 TVResolution920x1080, 1280x1024, 1280x720, 1024x768Multi-screen Display32CH: 1/4/8/9/16/25/36SoDCamera title, Time, Video loss, Camera lock, Motion detection, Recording, PTZ, Tour, Alarn Out, Video Push, Tema PT, Snapshot, Buzzer and Screen TipsTrigger EventsRecording, PTZ, Tour, Alarn Out, Video Push, Tema PT, Snapshot, Buzzer and Screen TipsVideo DetectionMotion Detection, MD Zones: 396 (22 x 18), Video Coss, Tampering and DiagnosisAlarn input8/16/16Relay Output6PlaybackSchen ModePlaybackSchen ModePlaybackSchen ModePlayback FunctionSchence/Normal schen Previous Camera, Previous File, Next Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camer	Operating System	Embedded LINUX
Internate Is20x1080, 1280x1024, 1280x720, 1024x768 Resolution Is2CH: Multi-screen Display Is2CH: OSD Camera title, Time, Video loss, Camera lock, Motion detection, Recording, PTLS, Tour, Alarn OUL, Video Push, Recording, PTL, Sapshot, Buzzer and Screen Tips Trigger Events Recording, PTL, Tour, Alarn OUL, Video Push, Recording, PTL, Sapshot, Buzzer and Screen Tips Video Detection Vif/16 Alarn input Is16/16 Relay Output G Playback Ime / Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Ime / Date, Alarm, MD and Exact Search (accurate to second), Smart search Storage Ime / Date, Alarm, MD and Exact Search (accurate to second), Smart search Storage UsB Device/Network Storage Imeriation of Storage Internal HDD IsOB Device/Network Storage Imeriation of Storage Storage Imeriation accurate to second), Smart search (accurate to second), Smar	Display	
Nutti-screen Display 32CH: 1/4/8/9/16/25/36 OSD Camera title, Time, Video loss, Camera lock, Motio detection, Recording Video Detection and Al- Trigger Events Recording, PTZ, Tour, Alarm Out, 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 8/16/16 Relay Output 6 Playback and Backup Playback And Backup Playback Function Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Storage 1Port Internal HDD 4 SATA Ports, up to 8TB capacity for each disk esATA Internal HDD ScCH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) R5232 1 port, for PTZ Control R5232 1 Port, for PTZ Control R5485 1 Port, for PTZ Control R5422 Denta, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Interface	32CH: 2 HDMI, 1 VGA, 1 TV
Multi-screen Display1/4/8/9/16/25/36OsDCamera title, Time, Video loss, Camera lock, Motio detection, Recording, PTZ, Tour, Alarn Out, Video DetectionVideo Detection and Al-Recording, PTZ, Tour, Alarn Out, Video Push, Email PTB, Snapshot, Buzzer and Screen TipsVideo DetectionMotion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and DiagnosisAlarm input8/16/16Relay Output6Playback and BackupIme / Date, Alarn, MD and Exact Search (accurate to second), Smart searchPlaybackTime / Date, Alarn, MD and Exact Search (accurate to second), Smart searchPlayback FunctionVisB Device/NetworkBackup ModeUSB Device/NetworkStorage1 PortInternal HDD4 SATA Ports, up to 8TB capacity for each diskRes221 port, for PTZ controlRs4851 Port, for PTZ controlRs4851 Port, for PTZ controlRs4821 Port, for PTZ controlRs4821 Port, for PTZ control	Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
USD detection, Recording Video Detection and Alarring Recording, PTZ, Tour, Alarn Out, Video Push, Email FTP, Snapshot, Buzzer and Screen Tips Video Detection Motion Detection, MD Zones: 396 (22 × 18), Video Cuss, Tampering and Diagnosis Alarn input & 1616 Relay Output 6 Playback and Backup Jackt: 1/4/9/16 Search Mode Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous File, Next Camera, Previous Camera, Previous Camera, Previous File, Previous File, Next Camera, Previous Camera, Previous Camera, Previous Camera, Previous File, Previous File, Next Camera, Previous File, Previous File, Next Camera, Previous Camera, Prev	Multi-screen Display	
Trigger EventsRecording, PTZ, Tour, Alarm Out, Video Push, Email FTP, Snapshot, Buzzer and Screen TipsVideo DetectionMotion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and DiagnosisAlarm input8/16/16Relay Output6Playback and Backup32CH: 1/4/9/16Search ModeTime /Date, Alarm, MD and Exact Search (accurate to second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, File Zene, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkInternal HDD4 SATA Ports, up to 8TB capacity for each disk to Satt Satt Satt Satt Satt Satt Satt Sa	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Irigger EventsFTP, Snapshot, Buzzer and Screen TipsVideo DetectionMotion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and DiagnosisAlarm input8/16/16Relay Output6Playback and Backup32CH: 1/4/9/16Playback32CH: 1/4/9/16Search ModeTime /Date, Alarm, MD and Exact Search (accurate to second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Nex Full Screen, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkStorage1 PortInternal HDD4 SATA Ports, up to 8TB capacity for each disk eSATAIssage1 port, for PC communication & KeyboardRs2321 port, for PTZ ControlRs4851 Port, for PTZ ControlRs4851 Port, for PTZ ControlThird-party SupportDahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Video Detection and Alar	m
Video DetectionLoss,Tampering and DiagnosisAlarm input8/16/16Relay Output6Playback and Backup32CH: 1/4/9/16Playback32CH: 1/4/9/16Search ModeTime /Date, Alarm, MD and Exact Search (accurate to second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkStorage1 PortInternal HDD4 SATA Ports, up to 8TB capacity for each disk eSATAQuiss32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0)Rs2321 port, for PTZ controlRs4851 Port, for PTZ ControlRs4851 Port, for PTZ ControlThird-party SupportDahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Relay Output 6 Playback and Backup 5 Playback 32CH: 1/4/9/16 Search Mode 1me /Date, Alarm, MD and Exact Search (accurate to second), Smart search Search Mode 1me /Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom Backup Mode USB Device/Network Storage 1Vort Internal HDD 4 SATA Ports, up to 8TB capacity for each disk eSATA 1 Port Auxiliary Interface 12000 USB 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) Rs232 1 port, for PTZ control Rs485 1 Port, for PTZ Control Rs485 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Camera, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Canon, C	Video Detection	
Playback and Backup Playback 32CH: 1/4/9/16 Search Mode Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search Playback Function Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Previous File, Next File, Next Camera, Previous File, Next File, Previous File	Alarm input	8/16/16
Playback32CH: 1/4/9/16Search ModeTime /Date, Alarm, MD and Exact Search (accurate to second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, File, Previous File, Next Camera, Previous Camera, Previ	Relay Output	6
Search ModeTime /Date, Alarm, MD and Exact Search (accurate to second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Nexr File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkStorageInternal HDDInternal HDD4 SATA Ports, up to 8TB capacity for each diskeSATA1 PortAuxiliary InterfaceInternal Grade (1 USB 2.0, 2 USB 3.0)RS2321 port, for PC communication & KeyboardRS4851 Port, for PTZ ControlThird-party SupportDahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Playback and Backup	
Search Modeto second), Smart searchPlayback FunctionPlay, Pause, Stop, Rewind, Fast play, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkStorage4 SATA Ports, up to 8TB capacity for each diskeSATA1 PortAuxiliary Interface32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0)RS2321 port, for PC communication & KeyboardRS4851 Port, for PTZ ControlThird-party SupportDahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Playback	32CH: 1/4/9/16
Playback FunctionFile, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital ZoomBackup ModeUSB Device/NetworkStorage4 SATA Ports, up to 8TB capacity for each diskInternal HDD4 SATA Ports, up to 8TB capacity for each diskeSATA1 PortAuxiliary Interface32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0)RS2321 port, for PC communication & KeyboardRS4851 Port, for PTZ ControlRS4221 Port, for PTZ ControlThird-party SupportDahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search
Storage Internal HDD 4 SATA Ports, up to 8TB capacity for each disk eSATA 1 Port Auxiliary Interface 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) RS232 1 port, for PC communication & Keyboard RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Pl	Playback Function	Full Screen, Repeat, Shuffle, Backup Selection,
Internal HDD 4 SATA Ports, up to 8TB capacity for each disk eSATA 1 Port Auxiliary Interface 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) RS232 1 port, for PC communication & Keyboard RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Backup Mode	USB Device/Network
eSATA 1 Port Auxiliary Interface 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) RS232 1 port, for PC communication & Keyboard RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Canon, CP Plus, Dynacolor, Honeywell, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Plus, Plu	Storage	
Auxiliary Interface USB 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) RS232 1 port, for PC communication & Keyboard RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Internal HDD	4 SATA Ports, up to 8TB capacity for each disk
USB 32CH: 3 USB Ports (1 USB 2.0, 2 USB 3.0) R5232 1 port, for PC communication & Keyboard R5485 1 Port, for PTZ Control R5422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	eSATA	1 Port
RS232 1 port, for PC communication & Keyboard RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Auxiliary Interface	
RS485 1 Port, for PTZ Control RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	USB	32CH: 3 USB Ports (1 USB 2.0 , 2 USB 3.0)
RS422 1 Port, for PTZ Control Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	RS232	1 port, for PC communication & Keyboard
Third-party Support Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	RS485	1 Port, for PTZ Control
Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	RS422	1 Port, for PTZ Control
Third-party Support Canon, CP Plus, Dynacolor, Honeywell, Panasonic,	Third-party Support	
and more	Third-party Support	Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek,

Audio and Video		
HDCVI Camera Input	32 Channel	
IP Camera Input	16+8/32 Channel, each channel up to 5MP	
Audio In/Out	4/1, BNC	
Two-way Talk	1 Mic In, 1 Mic Out, BNC	
Recording		
Compression	H.264+/H.264	
Resolution	1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF	
Record Rate	Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub steram:D1/CIF/QCIF(1~15fps)	
Bit Rate	1Kbps ~ 6144Kbps Per Channel	
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop	
Record Interval	$1 {}^{\sim}60$ min (default: 60 min), Pre-record: $1 {}^{\sim}30$ sec, Post-record: $10 {}^{\sim}300$ sec	
Network		
Interface	1 RJ-45 Port (1000M)	
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)	
Max. User Access	128 users	
Smart Phone	iPhone, iPad, Android	
Interoperability	ONVIF 2.42, CGI Conformant	
Electrical		
Power Supply	AC100V-240V, 50/60Hz	
Power Consumption	<30W (Without HDD)	
Environmental		
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 0~ 90% RH	
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH	
Construction		
Dimensions	1.5U, 440mm×417mm×76mm (17.3"x 16.4" x 3.0")	
Net Weight	6kg (13.23lb) (without HDD)	
Gross Weight	7kg (15.43lb)	
Installation	Desktop installation/Rack-mounted	
Certifications		
	FCC: Part 15, Subpart B: 2015	
Certifications	CE: EN 55032:2015(Class B), EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014, EN 61000-3-2:2014, EN61000-3-3:2013	
	UL:EN60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013	



XVR514L-32

32 Channel Penta-brid 1080P Lite 1.5U Digital Video Recorder

Rear Panel

W-XVR5432L

