

XVR502A-16

16 Channel Penta-brid 1080P-Lite 1U Digital Video Recorder



- Embedded processor
- H.264+/H.264 Dual-stream video compression
- Support HDCVI/CVBS/HDTVI/AHD video inputs
- Max 24 channels IP camera inputs, each channel up to 5MP
- Max 96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System

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System Overview

As the perfect solution to upgrade existing video surveillance systems, XVR supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. It supports up to 16 channels of HDCVI/ AHD/TVI/CVBS inputs, and 8 channels IP camera additionally, 16 channels local live-view channels, and 16 playback channels. Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

Functions

Smart H.264+

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

HDCVI/ AHD /TVI/ CVBS /IP Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

5MP Resolution

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

Spot Output

It is made for a secondary monitor. This allows the operator to view one special monitor that assigned to selected cameras or video inputs from higher security areas.

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

It is a type technology being used in a variety of applications that search or identify individuals which show front cameras.

Smart Search

This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

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Technical Specification		Audio and Video	
System		HDCVI Camera Input	16 Channel
Main Processor	Embedded Processor	IP Camera Input	16+8 Channel, each channel up to 5MP
Operating System	Embedded LINUX	Audio In/Out	4/4
Display		Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Interface	4/8CH:1 HDMI ,1 VGA 16CH:1 HDMI ,1 VGA,SPOT(configurable)	Recording	
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	Compression	H.264+/H.264
Multi-screen Display	16CH: 1/4/8/9/16/25	Resolution	1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	Record Rate	Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:D1/CIF/QCIF(1~25/30fps)
Video Detection and Alarm		Bit Rate	32Kbps ~ 6144Kbps Per Channel
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips	Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Camera Blank	Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Alarm input	16	Network	
Relay Output	3	Interface	4CH/8CH: 1 RJ-45 Port (100M) 16CH: 1 RJ-45 Port (1000M)
Tracking Trigger Event	N/A	Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Playback and Backup		Max. User Access	128 users
Playback	16CH: 1/4/9/16	Smart Phone	iPhone, iPad, Android
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	Interoperability	ONVIF 2.4.1, CGI Conformant
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom	Electrical	
Backup Mode	USB Device/Network	Power Supply	DC12V/4A
Storage		Power Consumption	<15W (Without HDD)
Internal HDD	2 SATA Ports, up to 6TB capacity for each disk	Environmental	
HDD Mode	Single	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
eSATA	N/A	Storage Conditions	0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH
Auxiliary Interface		Construction	
Front Cover	N/A	Dimensions	1U, 375mm×285mm×55mm (14.7" x 11.2" x 2.2")
USB	16CH:2 USB Ports (1 USB 2.0 , 1 USB 3.0)	Net Weight	2.35kg (5.2 lb) (without HDD)
RS232	N/A	Gross Weight	3.2kg (7.05lb)
RS485	1 Port, for PTZ Control	Installation	Desktop installation
Third-party Support		Certifications	
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more	Certifications	FCC: Coming soon UL: Coming soon

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