

◆ PVR-P8-1VA ◆

8 Channel Penta-brid 1080P
Mini 1U Digital Video Recorder

Features

- ◆ Embedded processor
- ◆ H.264+/H.264 dual-stream video compression
- ◆ Support HDCVI/AHD/TVI/CVBS/IP video inputs
- ◆ Max 12 channels IP camera inputs, each channel up to 5MP;
Max 48Mbps Incoming Bandwidth
- ◆ Smart Search and Intelligent Video System

System Overview

Unisight, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present XVR. 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 4/8/16 channels of HDCVI/AHD/TVI/CVBS inputs, and 2/4/8 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.

5MP Resolution

This series supports up to 5MP HD resolution (2560 x 1920) IPC input for recording, live viewing.

Smart Fan

The smart fan can automatically turn on or turn off according to the CPU temperature. This function can effectively reduce the fan noise to provide a better user experience while extending the life of the fan at the same time.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the DVR has the ability to detect and analyze moving objects for improved video surveillance. The DVR 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 predetermined 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.

Perfect Image Quality

High performance chip provides perfect image quality with better color reproduction.

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

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

Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

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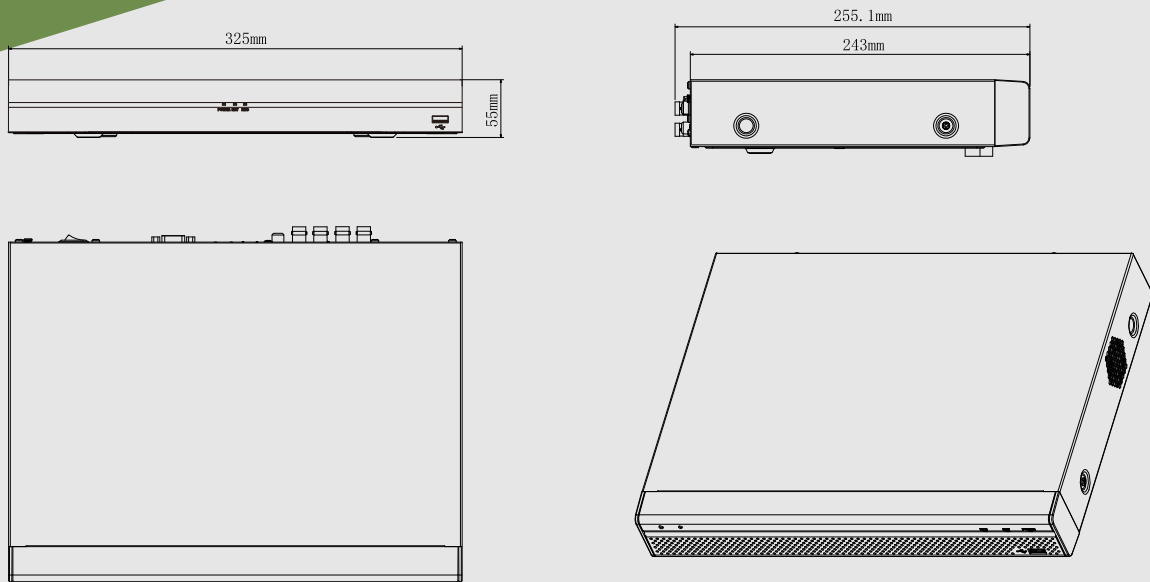
Technical Specification	
System	
Main Processor	Embedded Processor
Operating System	Embedded LINUX
Video and Audio	
Analog Camera Input	8 Channel, BNC
HDCVI Camera	4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	4MP, 1080P@25/30, 720P@25/30fps
TVI Camera	4MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	8+4 Channel, each channel up to 5MP
Audio In/Out	8 Channel input, 1 Channel output, RCA
Two-way Talk	Reuse audio in(channel 1)/out, RCA
Recording	
Compression	H.264+/H.264
Resolution	4M-N, 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 4M-N/1080P(1~15fps); 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream: 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 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Display	
Interface	1 HDMI ,1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9
	When IP extension mode enabled: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Network	
Interface	1 RJ-45 Port (100M)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.42, 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	8
Relay Output	3
Playback and Backup	
Playback	1/4/9
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to 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, Digital Zoom
Backup Mode	USB Device/Network
Storage	
Internal HDD	1 SATA Port, up to 8TB capacity
eSATA	N/A
Auxiliary Interface	
USB	2 USB 2.0
RS232	N/A
RS485	1 Port, for PTZ Control
Electrical	
Power Supply	DC12V/2A
Power Consumption	<10W (Without HDD)
Construction	
Dimensions	Mini 1U, 325mm×255mm×55mm (12.8" x 10" x 2.2")
Net Weight	1.5kg (3.3 lb) (without HDD)
Gross Weight	2kg (4.4lb)
Installation	Desktop installation
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
Third-party Support	
Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Certifications	
Certifications	FCC: Part 15 Subpart B
	CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024
	UL: UL 60950-1

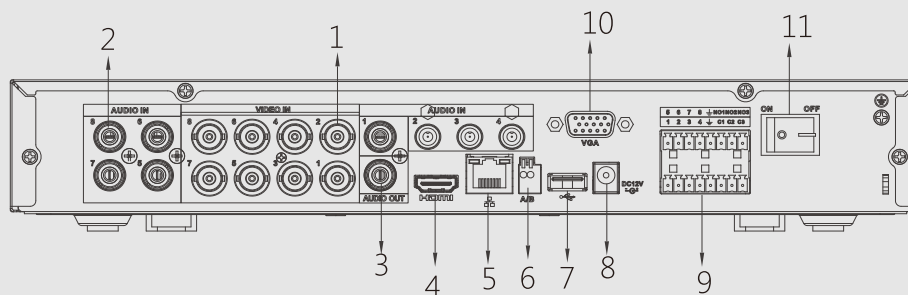
EmPower Penta-brid Series

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Dimensions(mm)



Rear Panel



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|---|--------------------------|----|-------------------|
| 1 | VIDEO IN | 7 | USB Interface |
| 2 | AUDIO IN, RCA Connector | 8 | DC12V Power Input |
| 3 | AUDIO OUT, RCA Connector | 9 | ALARM IN / OUT |
| 4 | HDMI Interface | 10 | VGA Interface |
| 5 | Network Interface | 11 | Power Switch |
| 6 | RS485 Interface | | |