

# PVR08/16H2

8/16 Channel Penta-brid 1080P-Lite 1U Digital Video Recorder



- Embedded processor
- H.264+/H.264 dual-stream video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 12/24 channels IP camera inputs, each channel up to 5MP
- Max 48/96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System



## System Overview

As the perfect solution to upgrade existing video surveillance systems, PVR 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 8/16 channels of HDCVI/AHD/TVI/CVBS inputs, and 4/8 channels IP camera additionally, 16 channels local liveview channels, and 16 playback channels. Designed as a full compatibility product, PVR 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 Auto-detect

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

### 5MP Resolution

The PVR 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 PVR has the ability to detect and analyze moving objects for improved video surveillance. The PVR 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.

## Technical Specification

### System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

### Display

Interface	1 HDMI ,1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	8CH: 1/4/8/9/16 16CH: 1/4/8/9/16/25
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

### Video Detection and Alarm

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
Relay Output	3
Tracking Trigger Event	N/A

### Playback and Backup

Playback	8CH: 1/4/9 16CH: 1/4/9/16
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	2 SATA Ports, up to 6TB capacity for each disk
HDD Mode	Single
eSATA	N/A

### Auxiliary Interface

Front Cover	N/A
USB	8CH:2 USB Ports (2 USB 2.0) 16CH:2 USB Ports (1 USB 2.0 , 1 USB 3.0)
RS232	N/A
RS485	1 Port, for PTZ Control

### Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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## Audio and Video

HDCVI Camera Input	8/16 Channel
IP Camera Input	8+4/16+8 Channel, each channel up to 5MP
Audio In/Out	4 Channel input, 1 Channel output
Two-way Talk	Reuse audio in(channel 1)/out, RCA

## Recording

Compression	H.264+/H.264
Resolution	1080P, 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 stream: D1/CIF/QCIF(1~25/30fps)
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

## Network

Interface	8CH: 1 RJ-45 Port (100M) 16CH: 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, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4.1, CGI Conformant

## Electrical

Power Supply	DC12V/4A
Power Consumption	<15W (Without HDD)

## Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	0°C ~ +50°C (+32°F ~ +122°F), 0 ~ 90% RH

## Construction

Dimensions	1U, 375mm×285mm×55mm (14.7" x 11.2" x 2.2")
Net Weight	2.35kg (5.2 lb) (without HDD)
Gross Weight	3.2kg (7.05lb)
Installation	Desktop installation

## Certifications

Certifications	FCC: Coming soon
	UL: Coming soon

## Ordering Information

Type	Part Number	Description
8/16 Channel PVR	PVR08H2	8 Channel Penta-brid 1080P-Lite 1U Digital Video Recorder
	PVR16H2	16 Channel Penta-brid 1080P-Lite 1U Digital Video Recorder

## Dimensions (mm)

