

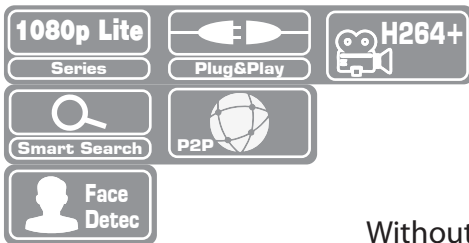
# Penta-Brid 1080P 1U Digital Video Recorder



Embedded processor  
H.264+/H.264 Dual-stream video compression  
Support HDCVI/CVBS/HDTVI/AHD/IP Video Inputs  
Max 12 Channels IP Camera Inputs  
Smart Search and Intelligent Video System



## 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 XVR Can Auto Recognize the Signal Of Front-Camera Without Any Setting. It Makes Operation More Friendly And Convenient.  
**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.

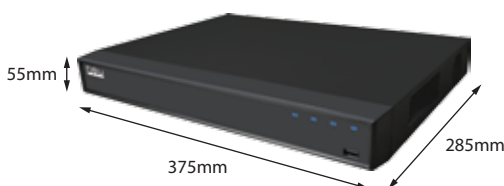
### Face Detection

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 Efficient When an Emergency Occurs.

## Dimensions Unit : mm



## Environmental

Operating Conditions  $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$  ( $+14^{\circ}\text{F} \sim +131^{\circ}\text{F}$ ), 86 ~ 106kpa  
Storage Conditions  $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$  ( $+32^{\circ}\text{F} \sim +122^{\circ}\text{F}$ ), 0 ~ 90% RH

## Electrical

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

## Construction

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

## 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  
 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 and Camera Blank  
 Alarm Input \_\_\_\_\_ N/A  
 Relay Output \_\_\_\_\_ N/A

### Playback and Backup

Sync Playback \_\_\_\_\_ 8CH: 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 \_\_\_\_\_ 2 SATA Ports, Up to 6TB Capacity for Each Disk  
 HDD Mode \_\_\_\_\_ Single  
 eSATA \_\_\_\_\_ N/A

### Auxiliary Interface

USB \_\_\_\_\_ 2 USB Ports (2 USB 2.0)  
 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

### Audio and Video

HDCVI Camera Input \_\_\_\_\_ 8 Channel  
 IP Camera Input \_\_\_\_\_ 8+4 Channel, Each Channel Up to 5MP  
 Audio In/Out \_\_\_\_\_ 1/1  
 Two-way Talk \_\_\_\_\_ 1 Channel Input, 1 Channel Output, 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)  
 Extra 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 \_\_\_\_\_ 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, 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