

# Penta-Brid 720P 1U Digital Video Recorder



Embedded processor  
Support HDCVI/CVBS/HDTVI/AHD/IP Video Inputs  
Max 18 Channels IP Camera Inputs  
Long Transmission Distance Over Coax Cable  
Support 2 SATA HDD, Up to 6TB



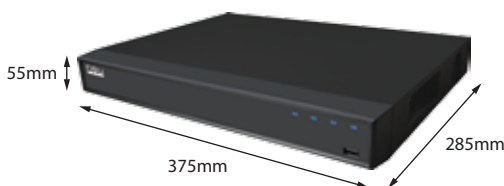
## Functions

**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.

**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.

**Recording and Preview**  
This XVR Supports Full Channel Preview at Up to 1080P Resolution, Recording and Playback at Up to 1080N and 720P Resolution.

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

### Playback and Backup

Sync Playback \_\_\_\_\_ 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

USB \_\_\_\_\_ 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

### Audio and Video

HDCVI Camera Input \_\_\_\_\_ 16 Channel  
 IP Camera Input \_\_\_\_\_ 16+2 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  
 Resolution \_\_\_\_\_ 1080N (960\*1080), 720P, 960H, D1, HD1, BCIF, CIF, QCIF  
 Record Rate  
 Main Stream: \_\_\_\_\_ 1\*1080N/720P(1~25/30fps) + 15\*1080N/720P(1~12/15fps), 960H/D1/HD1/BCIF/CIF/QCIF(1~25/30fps)  
 Extra Stream \_\_\_\_\_ 16CH: CIF/QCIF (1~7fps)  
 Bit Rate \_\_\_\_\_ 32Kbps ~ 6144Kbps Per Channel  
 Record Mode \_\_\_\_\_ Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop  
 Record Interval \_\_\_\_\_ 1 ~ 120 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