

## PVR-E16-8VA



### 16 Channel Penta-brid 4K 2U Digital Video Recorder



### Features

- ◆ Embedded processor
- ◆ Smart H.264 dual-stream video compression
- ◆ Support HDCVI/AHD/CVBS/TVI/IP video inputs
- ◆ Max 64 channels IP camera inputs, each channel up to 12MP
- ◆ Max 256Mbps Incoming Bandwidth, 384Mbps Forwarding Bandwidth
- ◆ Smart Search and Intelligent Video System
- ◆ Support HDCVI/CVBS Loop Out

### System Overview



PVR-E16-8VA is the perfect interpretation of HD-over-Coax. It is the only product of the industry which not only achieved penta-brid, but also achieved HD-over-Coax 4MP access, analog HD statistics, smart tracking and other intelligent features. It has excellent performance. Such as powerful Intel Multi-core CPU(perfect processing capability), high frame rate(720P 50/60fps realtime recording), penta-brid video input(HDCVI/TVI/AHD/CVBS/IP), 4MP encoding ability, loop out and advance intelligent functions(Smart Tracking/People Counting). Designed as a ultra series product, it established a new generation of analog HD standards, better compatibility, higher resolution, more intelligent. It is an ideal for the customer project tender, the system transformation and upgrading and expansion.

### Functions

#### Loop Out

It support Loop function. It can get another video signal which is same as the camera transmission without video distribute .

#### HDCVI/TVI/AHD/CVBS Full Compatibility

It can receive HDCVI, TVI, AHD and CVBS signals. It cares your more needs.

#### Smart tracking

Smart tracking can track people or objects automatically with the linkage between Bullet and PTZ Camera.

#### Spot Output and Video Matrix

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. Video matrix is for TV output.

#### 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.

#### People Counting

People counting can show the people flow in the entrance, and export the daily/month report.

#### Smart Tracking

The auto tracking PTZ feature automatically tracks a moving target throughout the camera's field of view. This function is ideal for following an object as it moves through airports, parking lots, city centers, or other applications.

#### Fisheye Dewarp

The function of fisheye dewarping can be realized including HD-over-Coax & IP fisheye camera. This series supports 4MP HD-over-Coax fisheye camera access, including preview, recording and dewarping.



## PVR-E16-8VA



### Technical Specification

#### System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

#### Display

Interface	2 HDMI(HDMI1 up to 4K), 1 VGA, 1 TV
Resolution	3840×2160, 2560×1440, 1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	1/4/8/9/16/25/36
Privacy Masking	4 rectangular zones (each camera)
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	16
Relay Output	6 channel

#### Playback and Backup

Playback	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	8 SATA Ports, up to 8 TB capacity for each disk
eSATA	1

#### Auxiliary Interface

USB	4 USB Ports (2USB 2.0 , 2 USB 3.0)
RS232	1 Port, for PC communication & Keyboard
RS422	1 Port, for PTZ Control
RS485	1 Port, for PTZ Control
LOOP	HDCVI/CVBS/16 BNC

### Audio and Video

HDCVI Camera Input	16 Channel
IP Camera Input	up to 64 Channel, each channel up to 12MP
Audio In/Out	16 Channel input, 1 Channel output, BNC
Two-way Talk	1 MIC IN, 1 MIC OUT, BNC(independent)

#### Recording

Compression	H.264+/H.264
Resolution	4K, 4MP, 1080P, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main stream: 1st and 9th channel 4K(1~12/15fps)/4MP (1~25/30fps), others 4MP(1~15fps); 1080P/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:960H/D1/CIF/QCIF(1~25/30fps)
Bit Rate	1Kbps ~ 12288Kbps 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	2 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, P2P, IP Search (Support Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.42, CGI Conformance

#### Electrical

Power Supply	AC 100~240V, 50/60HZ
Power Consumption	<40W (Without HDD)

#### 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

#### Construction

Dimensions	2U, 440mm×455mm×95mm (17.3"×17.9"×3.7")
Net Weight	8.24 kg (without HDD)
Gross Weight	9.48 kg (without HDD)
Installation	Desktop installation/Rack installation

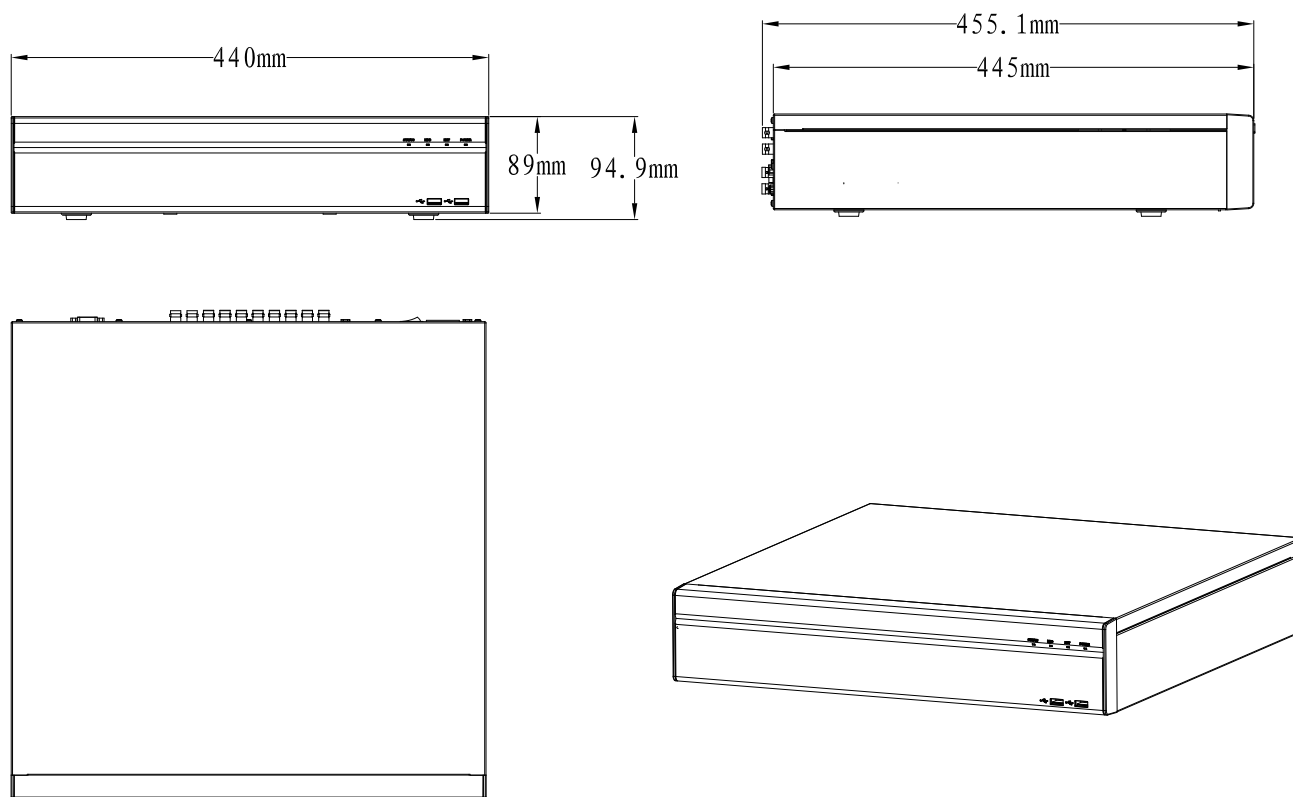
#### Certifications

Certifications	FCC: 47 CFR PART 15 SUBPART B, 2015
	CE: EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
	UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07

## PVR-E16-8VA



### Dimensions(mm)



### Rear Panel

