

PENDVR-ELE16C

16 Channel Pentabrid 1080P Lite 1.5U DVR



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



System Overview

Throughout the years, HDCVI technology has gained in popularity and become a preferred standard for video surveillance, and has never stopped evolving. The 2MP HDCVI presents a much clearer and vivid world. As the perfect solution to upgrade existing video surveillance systems, these DVRs support penta-brid access technology including HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. Designed as a fully compatible product, these DVRs are able to provide the 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 bit rate and storage requirements by up to 70% over standard H.264 without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

The DVR can auto recognize the signal from cameras without changing any settings. It makes operation more friendly and convenient.

5MP Resolution

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

Spot Output

The spot monitor outputs are separate and in addition to the VGA and HDMI video outputs that these DVRs support. The VGA and HDMI monitor outputs display the menu system and controls of the DVR. Spot outputs always display the live security camera views that you configure.

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 pre-determined line has been crossed.

Face Detection

Whether you wish to recognize, identify or verify a person, a camera with facial recognition software is an efficient solution. It can help you improve customer service and protect your assets by identifying important customers or potential perpetrators. Facial recognition is a perfect complement to your existing surveillance system, enhancing security and/or customer experience in real time.

Smart Search

This function helps you get more motion detection video during a short time by drawing a region during playback. It is very useful when an emergency occurs.

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Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Display

Interface	16CH: 2 HDMI, 1 VGA, 1 TV
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,Tampering and Diagnosis
Alarm input	8/16/16
Relay Output	6

Playback and Backup

Playback	16CH: 1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second), Smart search
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	4 SATA Ports, up to 8TB capacity for each disk
eSATA	1 Port

Auxiliary Interface

USB	16CH: 3 USB Ports (1 USB 2.0 , 2 USB 3.0)
RS232	1 port, for PC communication & Keyboard
RS485	1 Port, for PTZ Control
RS422	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	16 Channel
IP Camera Input	16+8 Channel, each channel up to 5MP
Audio In/Out	4/1, BNC
Two-way Talk	1 Mic In, 1 Mic Out, BNC

Recording

Compression	H.264+/H.264
Resolution	1080P, 1080N, 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 steram: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

Network

Interface	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, 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 Conformant

Electrical

Power Supply	AC100V-240V, 50/60Hz
Power Consumption	<30W (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

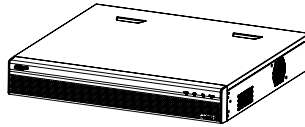
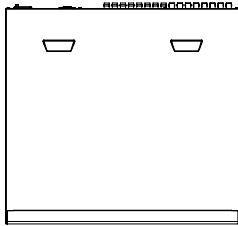
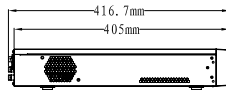
Construction

Dimensions	1.5U, 440mm×417mm×76mm (17.3"x 16.4" x 3.0")
Net Weight	6kg (13.23lb) (without HDD)
Gross Weight	7kg (15.43lb)
Installation	Desktop installation/Rack-mounted

Certifications

Certifications	FCC: Part 15, Subpart B: 2015
	CE: EN 55032:2015(Class B), EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014, EN 61000-3-2:2014, EN61000-3-3:2013
	UL:EN60950-1:2006 + A1:2010 + A11:2009 + A12:2011 + A2:2013

Dimensions (mm)



Rear Panel

