

PVS-610E Series

Advanced Industrial 4U
Rackmount DVR System

NEW



Features

- 8/16/24 -channel video input*
- MPEG-4 H.264 (MPEG4-Part10) Hardware compression
- Resolution: CIF / half D1 / 4CIF
- Up to 4CIF resolution in display and recording mode with half the number of channels (hardware compression)
- Embedded system design for the highest stability
- Multiple backup options: external USB HD / CD±RW / DVD±RW DL
- Multiple remote surveillance and control functions
- Watchdog function

Introduction

PVS-610 series is the advanced industrial-grade digital video surveillance system designed to meet the requirements of modern security markets. PVS-610 series uses MPEG-4 H.264 hardware compression technology, and provides configurable display/recording frame rates (up to 30 fps) and configurable resolutions (from CIF to 4CIF) to meet various user requirements. The system supports up to 3 hard disk drives and external storage devices can be added for extra video data storage capacity. Embedded system design is used to prevent virus attack and provide the highest stability. Easy installation, simple operation, high scalability, advanced functions and strong remote management support make PVS-610 series the right choice for any security-critical environment.

Specifications

| | |
|------------------------|---------------------------------------|
| Resolution | CIF/half D1/4CIF |
| CPU | Intel Pentium 4, 3.0 GHz LGA 775 |
| RAM | 1GB DDR2 533 |
| HDD | Optional (supports up to 3 SATA HDDs) |
| Chipset | Intel 945G |
| PCI Slots | 5 |
| Backup Device | DVD±RW DL |
| Operating System | Windows XP embedded OS License (DOM) |
| Storage Space | 1 x 3.5" and 3 x 5.25" IDE drive bay |
| Power Supply | 400 W power supply |
| Form Factor | 4U |
| Dimensions (W x H x D) | 482 x 177 x 478 mm (19" x 7" x 18.9") |
| Temperature Range | 0 ~ 45° C (32 ~ 113° F) |

* Channel number reduced to half when recording with 4CIF resolution

IO Module Options

| Part Number | Description |
|-------------|---|
| Adam 4520 | Isolated RS232 to 422/485 Converter |
| Adam 4055 | 8 -channel Isolated Digital Input and Output Module |

Ordering Information

| Part Number | Video Capture Cards | Application Software Version |
|-------------|---------------------|------------------------------|
| PVS-610E | PC-based DVR system | |

Option (Capture Card)

| | | |
|------------------|-------------|---------------|
| PVS-610-SE16-A1E | PV-1000 x 1 | Powerview6000 |
| PVS-610-HB8-A1E | PV-2100 x 1 | Powerview6000 |
| PVS-610-HB16-A1E | PV-2100 x 2 | Powerview6000 |
| PVS-610-HB24-A1E | PV-2100 x 3 | Powerview6000 |

Note: All above mentioned software versions support software compression

System Function Description

| Function | Specification | Description |
|--------------------|-------------------------------|---|
| Monitoring | Status Display | <ul style="list-style-type: none"> Prompt status displaying and event lists of systems login/logout, video lose, cameras status, web and remote connection, storage space, backup, sensors, and DO status.. |
| | E-map | <ul style="list-style-type: none"> E-map layout shows the locations of video cameras, sensors and alarm devices that allow you to control them and the action will link to surveillance system simultaneously. Also provide the free tool for e-map edition |
| | Event Log Display | <ul style="list-style-type: none"> Real time displaying for event list and automatic refresh of video event list in ViewLog. |
| | Screen Split | <ul style="list-style-type: none"> Full screen, 1, 4, 9, 10,13, 16,17, 24, Sequencer, (Able to change time interval) |
| | Camera Layout | <ul style="list-style-type: none"> Ability to assign private to each cameras' name and adjustable font displaying size and color |
| | Quality Adjustment | <ul style="list-style-type: none"> Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback. |
| Recording | Resolutions | <ul style="list-style-type: none"> Selectable recording resolutions (CIF, half D1, 4CIF) PAL: CIF (352 x 288), half D1 (704 x 288), 4CIF (704 x 576) / NTSC: CIF (352 x 240), half D1 (704 x 240), 4CIF (704 x 480) |
| | Compression Format | <ul style="list-style-type: none"> MPEG-4 / H.264 (MPEG4-Part10) |
| | Recording Modes | <ul style="list-style-type: none"> Cyclic Recording, Non-Cyclic recording, Event Triggered Recording (motion, alarm), and Scheduled Recording (provides 7 Record modes for assigning private setup) |
| | Recording Quality | <ul style="list-style-type: none"> Ability to adjust recording quality |
| | Recording Frame | <ul style="list-style-type: none"> Adjustable recording frames of each camera and event |
| | Motion Detection | <ul style="list-style-type: none"> Allowing setting multi-zone motion detection and schedulable, Able to adjust motion detection sensitivity (100 degrees), alarm delay time and do scheduling. |
| | Audio recording | <ul style="list-style-type: none"> Support 1-16 live audio recording (depend on product line) |
| | Pre & Post Alarm Recording | <ul style="list-style-type: none"> Able to adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds) |
| | Video Format | <ul style="list-style-type: none"> Adjustable Video format (NTSC, PAL) |
| | Record file length | <ul style="list-style-type: none"> Adjustable file length for record searching segment |
| Search & Playback | Playback Speed | <ul style="list-style-type: none"> Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, fast forward and rewind |
| | Playback Mode | <ul style="list-style-type: none"> Allowing to show up to 16 (24) camera's playback image simultaneously |
| | Search Mode | <ul style="list-style-type: none"> Allows searching images by date, time, camera, and event. Calendar and time segment for day and time search. Selectable event time, event type, and camera IDs for event search |
| | Smart Search | <ul style="list-style-type: none"> Able to search archives for incidents. Smart search list |
| | Image Transfer | <ul style="list-style-type: none"> Able to save image as BMP, JPG and AVI format. Adjust picture brightness, contrast and font before saving and printing. Selectable day and time for video saving or using bookmark time record list directly. |
| | Bookmark | <ul style="list-style-type: none"> Able to add plenty time links into bookmark for searching. |
| | | |
| Data Storage | Recording Time | <ul style="list-style-type: none"> Allow to adjust each storage path of each camera and reserve size. Setup each storage path to automatically delete the oldest file records. |
| | Backup | <ul style="list-style-type: none"> Flexible and multiple event action plan. Able to define multi actions taken for event source. Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup disk full etc. Event action: DO output, PTZ Control, e-mail sending, SMS notify, video file record, snapshots, phone/mobiles notification, warning sound playing, video group playing and execute certain programs etc |
| | Storage Path | <ul style="list-style-type: none"> E-mail notification with attached recording files or snapshot images on any event source like event triggered. E-mail and phone notification on multi event source. (with voice modem option) Supports setup of Alarm related with PTZ preset location. Adjustable Sensor and DO layout and schedulable |
| Alarm Notification | Event Action Plan | <ul style="list-style-type: none"> View live video via Ethernet/ Internet Remote event search, playback, e-map and setup. Monitor 32 cameras from DVRs. |
| | E-mail and Phone notification | <ul style="list-style-type: none"> View live video, event list , PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot by IE browser Supports 1, 4, 9, 10,13, 16,17, 24 screen split Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC) |
| | PTZ Activation | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) |
| | Sensor and DO | <ul style="list-style-type: none"> Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| PowerView RX | Remote Control | <ul style="list-style-type: none"> View live video, event list , PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot by IE browser Supports 1, 4, 9, 10,13, 16,17, 24 screen split Able to view live video by PDA (Pocket PC 2003 or Windows Mobile 5.0 Pocket PC) |
| Network Control | IE Remote Control | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | View by PDA | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| Operation | User Authority | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Authority Settings | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Multi-Tasking | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | PTZ Control | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Dynamic IP support | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Language | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Watermark | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |
| | Others | <ul style="list-style-type: none"> Multi-level passwords protection and unlimited user accounts for logins and passwords. Set authorities by user and by camera (local and remote monitor, playback, PTZ control, DO and e-map control, Network connecting user numbers and time limited, print and save function control etc.) Playback, record, backup , transmit and remote Control simultaneously Embedded PTZ control panel: pan & tilt, zoom control and preset function. Supports most popular PTZ protocols Built in web server, supports dynamic IP. English, Traditional Chinese Save as picture with unchangeable digital watermark Windows lockup Auto DVR login Auto reboot |