PowerView 6000

Digital Surveillance System

User Manual

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Product Warranty (2 years)

Advantech warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Advantech, or which have been subject to misuse, abuse, accident or improper installation. Advantech assumes no liability under the terms of this warranty as a consequence of such events.

Because of Advantech's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If an Advantech product is defective, it will be repaired or replaced at no charge during the warranty period. For out-of-warranty repairs, you will be billed according to the cost of replacement materials, service time and freight. Please consult your dealer for more details.

If you think you have a defective product, follow these steps:

- 1. Collect all the information about the problem encountered. (For example, CPU speed, Advantech products used, other hardware and software used, etc.) Note anything abnormal and list any on-screen messages you get when the problem occurs.
- 2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information readily available.
- 3. If your product is diagnosed as defective, obtain an RMA (return merchandise authorization) number from your dealer. This allows us to process your return more quickly.
- 4. Carefully pack the defective product, a fully-completed Repair and Replacement Order Card and a photocopy proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
- 5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

CE

This product has passed the CE test for environmental specifications when shielded cables are used for external wiring. We recommend the use of shielded cables. This kind of cable is available from Advantech. Please contact your local supplier for ordering information.

CE

This product has passed the CE test for environmental specifications. Test conditions for passing included the equipment being operated within an industrial enclosure. In order to protect the product from being damaged by ESD (Electrostatic Discharge) and EMI leakage, we strongly recommend the use of CE-compliant industrial enclosure products.

FCC Class A

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution!



There is a danger of a new battery exploding if it is incorrectly installed. Do not attempt to recharge, force open, or heat the battery. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Achtung!

FCC Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FM

This equipment has passed the FM certification. According to the National Fire Protection Association, work sites are classified into different classes, divisions and groups, based on hazard considerations. This equipment is compliant with the specifications of Class I, Division 2, Groups A, B, C and D indoor hazards.

Technical Support and Assistance

- 1. Visit the Advantech web site at **www.advantech.com/support** where you can find the latest information about the product.
- 2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

To assist us in making improvements to this manual, we would welcome comments and constructive criticism. Please send all such - in writing to: support@advantech.com

Safety Instructions

- 1. Read these safety instructions carefully.
- 2. Keep this User Manual for later reference.
- Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
- 4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
- 5. Keep this equipment away from humidity.
- 6. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage.
- 7. The openings on the enclosure are for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.
- 8. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
- 9. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
- 10. All cautions and warnings on the equipment should be noted.
- 11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient overvoltage.
- 12. Never pour any liquid into an opening. This may cause fire or electrical shock.
- 13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
- 14. If one of the following situations arises, get the equipment checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment does not work well, or you cannot get it to work according to the user's manual.

- The equipment has been dropped and damaged.
- The equipment has obvious signs of breakage.
- 15. DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT WHERE THE STORAGE TEMPERATURE MAY GO BELOW -20° C (-4° F) OR ABOVE 60° C (140° F). THIS COULD DAM-AGE THE EQUIPMENT. THE EQUIPMENT SHOULD BE IN A CONTROLLED ENVIRONMENT.
- 16. CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER, DISCARD USED BATTERIES ACCORD-ING TO THE MANUFACTURER'S INSTRUCTIONS.

The sound pressure level at the operator's position according to IEC 704-1:1982 is no more than 70 dB (A).

DISCLAIMER: This set of instructions is given according to IEC 704-1. Advantech disclaims all responsibility for the accuracy of any statements contained herein.

Wichtige Sicherheishinweise

- 1. Bitte lesen sie Sich diese Hinweise sorgfältig durch.
- 2. Heben Sie diese Anleitung für den späteren Gebrauch auf.
- 3. Vor jedem Reinigen ist das Gerät vom Stromnetz zu trennen. Verwenden Sie Keine Flüssig-oder Aerosolreiniger. Am besten dient ein angefeuchtetes Tuch zur Reinigung.
- 4. Die NetzanschluBsteckdose soll nahe dem Gerät angebracht und leicht zugänglich sein.
- 5. Das Gerät ist vor Feuchtigkeit zu schützen.
- 6. Bei der Aufstellung des Gerätes ist auf sicheren Stand zu achten. Ein Kippen oder Fallen könnte Verletzungen hervorrufen.
- 7. Die Belüftungsöffnungen dienen zur Luftzirkulation die das Gerät vor überhitzung schützt. Sorgen Sie dafür, daB diese Öffnungen nicht abgedeckt werden.
- 8. Beachten Sie beim. AnschluB an das Stromnetz die AnschluBwerte.
- 9. Verlegen Sie die NetzanschluBleitung so, daB niemand darüber fallen kann. Es sollte auch nichts auf der Leitung abgestellt werden.
- 10. Alle Hinweise und Warnungen die sich am Geräten befinden sind zu beachten.
- 11. Wird das Gerät über einen längeren Zeitraum nicht benutzt, sollten Sie es vom Stromnetz trennen. Somit wird im Falle einer Überspannung eine Beschädigung vermieden.
- 12. Durch die Lüftungsöffnungen dürfen niemals Gegenstände oder Flüssigkeiten in das Gerät gelangen. Dies könnte einen Brand bzw. elektrischen Schlag auslösen.
- 13. Öffnen Sie niemals das Gerät. Das Gerät darf aus Gründen der elektrischen Sicherheit nur von authorisiertem Servicepersonal geöffnet werden.
- 14. Wenn folgende Situationen auftreten ist das Gerät vom Stromnetz zu trennen und von einer qualifizierten Servicestelle zu überprüfen:
 - Netzkabel oder Netzstecker sind beschädigt.
 - Flüssigkeit ist in das Gerät eingedrungen.
 - Das Gerät war Feuchtigkeit ausgesetzt.
 - Wenn das Gerät nicht der Bedienungsanleitung entsprechend funktioniert oder Sie mit Hilfe dieser Anleitung keine Verbesserung erzielen.

- Das Gerät ist gefallen und/oder das Gehäuse ist beschädigt.
- Wenn das Gerät deutliche Anzeichen eines Defektes aufweist.
- 15. VOSICHT: Explisionsgefahr bei unsachgemaben Austausch der Batterie.Ersatz nur durch densellben order einem vom Hersteller empfohlene-mahnlichen Typ. Entsorgung gebrauchter Batterien navh Angaben des Herstellers.
- 16. ACHTUNG: Es besteht die Explosionsgefahr, falls die Batterie auf nicht fach-männische Weise gewechselt wird. Verfangen Sie die Batterie nur gleicher oder entsprechender Type, wie vom Hersteller empfohlen. Entsorgen Sie Batterien nach Anweisung des Herstellers.

Der arbeitsplatzbezogene Schalldruckpegel nach DIN 45 635 Teil 1000 beträgt 70dB(A) oder weiger.

Haftungsausschluss: Die Bedienungsanleitungen wurden entsprechend der IEC-704-1 erstellt. Advantech lehnt jegliche Verantwortung für die Richtigkeit der in diesem Zusammenhang getätigten Aussagen ab.

Safety Precaution - Static Electricity

Follow these simple precautions to protect yourself from harm and the products from damage.

- 1. To avoid electrical shock, always disconnect the power from your PC chassis before you work on it. Don't touch any components on the CPU card or other cards while the PC is on.
- 2. Disconnect power before making any configuration changes. The sudden rush of power as you connect a jumper or install a card may damage sensitive electronic components.

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CHAPTER

Overview

This chapter gives an overview of the PV-6000.

Sections include:

- Features
- Function Introduction
- Packing List
- System Requirements
- System Installation

Chapter 1 Overview

PowerView 6000's professionally designed user interface helps you to use all functions easily. This makes PowerView the most professional digital surveillance solution on the security market.



Figure 1.1: Main Screen

1.1 Features

- Prompt system, recording, event, alarm, network connection, and backup status etc.
- Flexible and multiple recording modes enable you to set configuration and do multi-scheduled recording of each camera and sensor.
- Quick Search: Playback with visual file search by time or event. There is also a smart search function.
- The eMap function allows you to control the cameras and sensors through eMap, and link to other surveillance systems.
- Event action plan: Set digital outputs, take photos, execute certain programs etc., when motion is detected, a sensor is triggered or a signal breaks etc.
- Event log function: View the event log by event category and save or print the event list.
- Various Backup functions that can burn a backup file onto auto run CD/DVDs or other storage devices.
- Powerful remote control with Power Center central monitoring system and IE browser.

Function Introduction 1.2

1.2.1 Main Program

The main functions of the PowerView 6000 program include Search and Playback, Configuration, Manual Backup, Cameras and PTZ control, eMap, and Event log. Descriptions are as follows:



Search and Playback

PowerView 6000 supports three kinds of easy to use search modes that playback by time, event, and smart search. The event list can be saved, printed, and exported as a text file



Configuration

This shows systems, users, sensors, motion detection. and network items in a tree structure



Manual Backup

This enables the user to backup certain recordings. The schedule, camera, reserved storage space and file path can be set. Multiple storage devices are supported. An auto run CD/DVD can be burnt directly.



eMap

This enables the hierarchy of the eMap to be defined and the positions of the cameras and DIO on the eMap to be changed. The eMap function enables you to control cameras and DIO using the eMap. Event triggers link to digital surveillance systems on the eMap.



Cameras and PTZ Control

This enables configuration of pan, tilt, zoom, hue, brightness, contrast, and saturation of each camera. Function keys are assigned to special functions of speed domes. In addition, you can apply the default setting to specific cameras.



Event Log

Event log viewer shows all event triggers and system status items, including local and remote login/logout, signal loss, connection status etc. These can be saved or printed as a text file.

1.2.2 IE Remote Control

The PowerView 6000 IE Remote Control function provides not only remote viewing but also remote playback, remote setting, remote recording, camera setting, eMap and event log functions etc.



1.2.3 Remote Control Power Center

Power Center is the remote control system that helps you easily connect and monitor the local DVR from the remote client in real-time. Power Center enables you to connect up to 24 DVRs from different IP addresses simultaneously. The dual monitor design helps you view real-time video; monitor system and event status; and control DIO via the eMap function.



1.3 Packing List

The PowerView DVR series includes complete product categories from the PV-600 entry-level model to the high-end PV-2000 series. The PV-2000 series is a H.264 hardware data compression model. Every product kit can support up to 16 video inputs. Software compression models support up to 24 ports, and hardware compression models can support up to 32 ports. In addition to the recording function, all kits are equipped with internet remote control, IE browser, PTZ control, alarm notification, and back-up functions.

Part Number	PV-600	PV-800	PV-650	PV-850	PV-1000
Capture Card					
Video and Audio Cable Line or Extension Cards	×		C	GC	x3
		×3			×2
Watchdog Line	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Installation CD	1	1	1	1	✓
User Manual	1	1	1	1	✓
Video Input	4	16	4/8/12/16	4/8/12/16	16
Audio Input	N	N	1	4	16
Resolution	320 x 240	/ 640 x 240 /	640 x 480		
Max Card Stack	4 cards	2 cards up to 16 CH	4 cards	2 cards up to 24 CH	1 cards
Display Rate NTSC/PAL fps	30/25	120/100	30/25	120/100	480/400
Recording Rate NTSC/PAL fps	30/25	30/25	30/25	30/25	CIF: 480 2CIF: 240 4CIF: 120
Max Record Rate NTSC/PAL fps	120/100	240/200	120/100	240/200	480/400
Optional DI/DO	4/4	4/4	8/6	1612	16/16

1.3.1 Digital Surveillance Kits (Software Compression)

1.3.2	Digital Surveillance	Kits (Hardware	Compression)

Part number	PV-2000	PV-2100	PV-2200
Capture Card			
Video and Audio Cable Line	G		
Internal Audio Cable			
Internal Connection Cable			
Watchdog Line	×	×	×
Installation CD	1	1	1
User Manual	1	1	1
Video Input	4	8	16
Audio Input	4	8	16
Resolution	CIF, 2CIF and 4CIF (half vi	deo CH)	CIF, 2CIF
Max Card Stock	8 cards up to 32 CH	4 cards up to 32 CH	2 cards up to 32 CH
Display Rate NTSC/PAL fps	120/100	240/200	480/400
Recording Rate NTSC/PAL fps	120/100	240/200	480/400
Max Record Rate NTSC/PAL fps	960/800	960/800	960/800
Optional DI/DO	16/16	16/16	16/16

1.3.3 PVS-640 Series Digital Surveillance Systems



Dout Number	PVS-640-					
Part Number	SB16	SB24	SR16	HB16	HB32	HC32
Compression	Software	e (MJPEG	, MPEG-4)	Hardwa	re (H.264)	
Packing List	19" 4U I Utility Cl User Ma Power L	ndustrial (D x 1 anual x 1 ine x 1	Chassis 19"x 7"x 18	9"(W x H	x D)	
Video Input	16	24	16	16	32	32
Audio Input	1	1	16	16	32	32
Resolution	CIF/Half	D1/D1	CIF/Half D1/D1	CIF/ Half D1	CIF/ Half D1	CIF/ Half D1/D1
Display Rate PAL/NTSC	100/ 120	150/ 180	400/480	400/ 480	800/ 960	800/ 960
Record Rate (PAL/NTSC)	100/ 120	150/ 180	CIF: 400/480 2CIF: 200/ 240 4CIF: 100/120	400/ 480	800/ 960	800/ 960
Video out	VGA/DV	/I/ S-video		•		•
Motherboard	Industrial CPU board/ Intel 865 chip or above					
CPU	P4 3.0 GHZ, FSB 800 MHZ					
RAM	512 MB RAM					
VGA	On-boar	d VGA				
OS	Win XP	Embedde	d OS Licence			
DOM	512 MB	(Disk on I	Module)			
Power Supply	400 W					
Hard Disk	HDD ba	y: 3.5" x 1	, 5.25" x 3 (HDD op	otion)		
Looping	16 CH lo	poping out	t (Option)			
CDRW	Option					
Optional DI/DO	16/16					

1.4 System Requirements

Note: Please follow our recommended system requirements for assembly, such as using an Intel chipset motherboard and VGA card that supports DirectX 9 (VMR9). We don't recommend on-board VGA.

Part number	PV-600, PV-650, PV-800, PV-850, PV-1000, PV-2000, PV-2100 (below 16 Channels)	PV-600, PV-650, PV-800, PV-850, PV-2000, PV-2100 (16 channels or above)
CPU	Intel P4 2.8 GHz or above	Intel P4 2.8 GHz or above
Motherboard	Intel 845 or 865 chipset	Intel 845 or 865 chipset
VGA	Geforce FX-5200 128 MB or Radeon 9200 128 MB or above (Supports DirectX 9)	ATI 9200 128 MB or above (Supports DirectX 9)
RAM	256 MB or above	256 MB or above
Network Card	Ethernet Card	
DirectX	DirectX 9.0 Installation CD enclo	osed
HDD	General recording quality is 7 kb record 4 fps for 24 hours a day, An 80 GB HDD for long term rec	s. If you connect 4 cameras and it will take 9.3 GB HDD space. cording is recommended.
OS	Windows XP, Windows 2000, W	indows XP Embedded
Power Supply	One HDD	250 W
	Two to Three HDD	300 W
	Three to Four HDD	350 W
	Four to Five HDD	400 W
	Five to six or above	460 W

1.5 System Installation

1.5.1 Quick installation guide

1. Capture card setup

Please refer to the Hardware installation user manual.

2. DirectX 9.0 Installation

Press [DirectX 9 Setup] to install DirectX. This program has to be installed on the local and remote computers.

3. Capture Card Driver Installation

After logging on to Windows, the system will search for the driver. Put the CD into the CD-ROM drive and select [Specify a location], press [Browse] to search for the driver files on the CD, then start to install the driver.

4. PowerView 6000 Main Program Installation

The following picture will appear when the CD is put into the CD-ROM drive. You can install programs from here.



5. Reboot computer

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CHAPTER CHAPTER

Recording (Main Screen)

This chapter describes how to record video.

Chapter 2 Recording (Main Screen)

This screen is the main screen that appears after the start-up process. Users can enter this screen after finishing the login procedure. The system defaults to recording mode. The screen consists of three sections: the system status section, image display section and function control section.



- Note: The default username and password is "admin" and "1234".
 - Go to "Configuration", "system setup", "Auto DVR Login" to invoke the auto log in function. The system will enter the PowerView main screen automatically after start up without making a log entry.
 - Camera feeds can be arranged for preview, but will go back to the default arrangement after exiting the preview screen or logging out of the DVR.

Operation: Hold the left mouse button and drag the camera feed to where you want it to be shown.





2.1.1 Function Control Section

The buttons in this section provide access to all functions of Power View DVR.

ltem	lcon	Function	Description
1	Ø	Search and Playback	This plays back recorded data. The user can search by time period, event or Smart Search. Search results can be saved or printed.
2	S	Configuration	This shows systems, users, sensors, motion detection, and network items in a tree structure.
3		Manual Backup	This enables the user to backup certain record- ings. The schedule, camera, reserved storage space, file path and file format can be set. Multi- ple storage devices are supported. An auto run CD/DVD can be burnt directly.
4		Camera Configuration	This enables configuration of pan, tilt, zoom, hue, brightness, contrast, and saturation of each cam- era. Function keys are assigned to special func- tions of speed domes. In addition, you can apply the default setting to specific cameras.
5		еМар	This enables the hierarchy of the eMap to be defined and the positions of the cameras and DIO on the eMap to be changed. The eMap func- tion enables you to control cameras and DIO using the eMap. Event triggers link to digital sur- veillance systems on the eMap.
6	B	Event Log	The event log viewer shows items such as sys- tem status, system log in/out information, camera status and connection status (with the Power Center Central Monitoring System). The event list can be saved to a file or printed out.

ltem	lcon	Function	Description
7		Screen Layout Selection	Clicking this button shows the screen split layout window. This window is dockable. A camera cap- tion and the system time will be displayed on the top of each division screen. Refer to the "Config- uration", "Camera Setup" table to edit the caption or change the font and color. Double-clicking on an image enlarges it to the full screen. Double- clicking on the single screen restores the previ- ous screen layout.
			Sequence Full Screen One Screen 4 Split 10 Split 9 Split 13 Split 16 Split 17 Split 25 Split
8	٥	Exit	Temporarily log off, switch users or exit the system.
9	 (*) (*)	Audio	Enable or disable audio by clicking this button. Event warning sounds are also disabled by click this button.
10	∇	Minimize PowerView	PowerView main screen can be minimized by clicking this button.

2.1.2 System Status Displaying Section

There are two sub-sections for displaying system status information. The first one will show system date/time, remote connection status, disk space, backup status, and email/telephone/SMS transmission status. Operational hints are shown when the user puts the mouse pointer over an icon. Icons are grayed out if the function hasn't started up.

The second sub-section shows camera status or event list information. Users can toggle between them by clicking the "Camera" or "View log" icon.

ltem	lcon	Function	Description
11		Remote connection status	Remote Play Waiting for connection Remote View Waiting for connection Remote Setup Waiting for connection
12	•	Disk Space	Harddisk Free Space Free Percentage Video When the mouse pointer is moved over this icon, the free space, percentage of free space, and camera ID are shown for each HDD
13		Backup Status	If the auto backup option is enabled, display backup status information will be shown when the mouse pointer is moved onto this icon
14	P	Email Notification	E-Mail service has not been setup Constraints of the setup Constrain
15		SMS and Phone Notification	If the auto SMS/phone notification option is enabled, SMS/phone notification information is shown when the mouse pointer is moved over this icon.

ltem	lcon	Function	Description
16		Camera Status	Lamp indicators are used to display cameras sta- tus. Blue means normal, red means event trigger, means no signal and gray means this camera is not supported by the capture card.
17	0	View Log	When an event is triggered, the color of this icon will change from blue to red. The last 100 events are displayed in the event list window. These include system log in/out information, motion detection, sensor, DO alarm, video lost system events.
18		Snapshot	When the mouse pointer is moved over the upper left corner of each division screen, the snapshot icon will appear. Click it to snapshot the image. The location of the snapshot data can be changed in the Configuration, System Setup, Storage Setup menu. The default path is C:\PV6\Bin\Snap- shot.

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CHAPTER CHAPTER

Search and Playback

This chapter describes search and playback.

Sections include:

- Search by Time
- Search by Event
- Smart Search

Chapter 3 Search and Playback

Click to start the search function. PowerView 6000 provides three search modes:

- Search by Time: This search mode enables the user to replay video by selecting the date and time segment from the calendar and time slider bar.
- Search by Event: This enables search by triggered events, time, event category, camera ID and sensor ID.
- **Smart Search**: This function allows you to search recorded images that have variation in a user defined area. Users can also narrow the search by specifying cameras and time periods.

Search results can be saved, printed. The user can adjust video configuration and use integrated bookmark functions.

E. N. The default search mode is time period search.

Click the other buttons to change to another search mode.



3.1.1 Function Introduction

Click to start the search function. The system defaults to "Search by time" mode.





ltem	lcon	Function and Description
1	e. i . 1 0.	Search mode
		Search by time
		Search by event
		Smart search
2	06/07/06 10:27:53	Time indicator Time stamp of the recorded image.
3	1 - CCD1 💌	Camera selection Camera selection list
4	User-index 2000. Image Tar must the first inter III. 2014. III. 2014. III. 2014. IIII. 2014. III. 2014. <tr< td=""><td>Calendar menu Calendar selection list. The date will be indigo color if the data has been recorded on that day.</td></tr<>	Calendar menu Calendar selection list. The date will be indigo color if the data has been recorded on that day.
5		Time segment selection menu Time segment data is updated for each selected calendar day. Click the top-left item to change between searching by hours or minutes. Drag the slider bar to the time segment you want to playback and then select the camera with the up and down buttons. When the time segment display is blue, it means there is recorded data. If the time segment is red, it means events have been triggered but no recording data is available. If the time segment is green, it means events have been triggered, but they have been mis-recorded.
6		Playback speed selection buttons ▶ Play button ■ Pause button ▲ Play backward button ▲ Play backward button ▲ Stop button ▲ next frame ▲ previous frame ▲ Speed adjustment slider-bar 1/16X, 1/8X, 1/4X, 1/2, 2X, 4X, 8X, 16X



ltem	lcon	Function and Description
9	8	Print Prints out a recorded image. Before printing, the user can adjust brightness, contrast, font display and print format. You must record images first before the print function is accessible.
		Print Etimes Print Etimes Image: State of the st
10		Bookmark User can add a selected time segment link to the bookmark list and play the recorded data in the selection list.
		× + - Goto 接班 時間 1970-01-01 08:00:00 1970-01-01 08:00:00
		Add, remove and go to time segment link selection list but- tons
11	×.	Color configuration The user can adjust hue, contrast, brightness and saturation for recorded video or select defaults for each camera.
		Hue Contrast Brightness Contraction Confault
12	()	Return Exit the search screen and return to the main screen.
3.1.2 Operation Steps

- 1. Choose a camera ID from camera list. 1- CCD1
- 2. Select a search date from the calendar. The date is shown in indigo if there is recorded data for that day.

•



3. Drag the time slider bar to whenever you want to start searching. The blue segment on the scroll bar means there is recorded data in that time segment. A red segment means events have been triggered but no data was recorded. A green segment indicates a mix of normal and event triggered recording status. The time unit for the scroll bar can be switched between hours and minutes.



- 4. Click to start to playback record video. Please refer to the function description section for a detailed explanation of each button.
- 5. Click the appropriate button to save, print out, configure color, bookmark or select the screen layout. Please refer to the function description section for a detailed explanation of each button.

3.2 Search by Event

3.2.1 **Function Introduction**



Click to enter the main screen of the search screen, and then click

to invoke the event search function.



3.2.2 Operation

- Click location to enter the main screen of the search screen, and then click location to invoke the event search function.
- 2. Define the search period.



3. Define the event type. The selection includes: motion detection, sensor alarm, video loss or all of them.



4. Click <u>Search</u> to start searching. The search result will be listed in the event list window.

#	Event Time	Event Type	Event Status	Device	Eve
12	2006-10-24 14:35:08	Camera Sig	Camera Single Lost	13	CCD13 - Came
13	2006-10-24 15:03:05	Sensor Det	Sensor triggered	1	Sensor1 - Sens
14	2006-10-24 16:22:13	Camera Sig	Camera Single Lost	7	CCD7 - Camera
15	2006-10-24 16:22:13	Camera Sig	Camera Single Lost	5	CCD5 - Camera
16	2006.10.24 16:22.12	Comoro Cin	Camera Cinale Last		CCD8 . Comet

5. If there is recorded data for an event, there will be a button beside the event entry. Double-click the event to start playback of the recorded video. Playback function buttons enable the user to adjust speed and direction during playback.



Note

Before searching by motion detection or sensor triggered events, if you want to playback a video file, you should go to "Configuration", "event action plan" to increase event sources and also enable recorded video files.

Smart Search 3.3

Smart Search allows you to search archives for incidents. You can mark a grid or area of video where the incident occurred, then perform a Smart Search and anything that happened in that area will show up without having to view hours of footage.

3.3.1 **Function Introduction**

Click to go to the main screen of the search function, and then click

to invoke the smart search function.

After defining the comparison zone, variation sensitivity, camera ID and time period, the user can invoke the smart search function. Search results will be listed in the windows below.



3.3.2 Function Description

ltem	lcon	Function and Description
1		Sensitivity Variation Indicator During smart search, this icon will indicate the recorded video sensitivity variation as a percentage of the assigned search zone.
2	Co. Xo. Event Time : 11/ 1/2006 • 11/ 1/2006 • • Select All • •	Search Criteria Menu Users can assign a camera ID, search period and sensi- tivity variation threshold for the smart search. The thresh- old can be adjusted with the slider.
3		Video Search Area Selection Menu
		Add search area
		Delete assigned search area
		Clear all search areas
		Elear event list
4		Smart Search Event List Window This window will list the result of search clips.
		Hark Camera Time

3.3.3 Operation

- 1. Click to go to the main screen of the search function, and then click to invoke the smart search function.
- 2. Select the camera ID.
- 3. Define the search period.
- 4. Click is to add one search area by dragging the mouse pointer to define the search area. Click is to delete a search area or click is to delete all search areas.

Note If you are using the Smart Search function for the first time, click the "Search" button before selecting a search area.

- 5. Adjust the slider to set the variation sensitivity for the search. The range is from 0 to 100.
- 6. After setting all conditions, click Search to start the search. The search result will be shown in the event list windows.

Click \blacksquare to clear the event list in this window.



СНАРТЕК

Configuration

This chapter describes PV-6000 configuration.

Sections include:

- System Setup
- System setup function description
- Video Setup Video Number
- Sensor Setup Sensor #
- DO Setup DO Output #
- Group Setup
- Group Sequence Setup
- Event Action Setup
- Network Setup
- Device Setup
- Other Tools

Chapter 4 Configuration

Press to invoke the configuration menu. Use the configuration menu to handle systems, cameras, sensors, digital outputs (DO), groups, group sequences, event action plans, networks, devices and other tools.

The configuration menu is organized as in a tree. Click each node to expand the tree to see more functions. Remember to click "OK" to save the configuration after completing configuration or press "Cancel" to cancel any modification.

4.1 System Setup

System Setup	System Setup	ViewSys Corp
Sensor Setup	🗁 Host Name —	
Sequence Group Setup	DVR	
Sequence Setup Event Handle Setup Network Setup Device Setup	System Strat-up Setup F Enable Auto Login	
Other Tools	Admin	
	Shut down the system when exit Disable Windows Key Accent remote eide to control system reboot	
	Password	
	☐ Auto reboot	
	Week Day:	- 00:00 ÷
	WatchDog Setting Enable WatchDog Time out in IF Enable WatchDog if system failed to reboot	120 ÷ Second
	Video Format Display Mode	
	NTSC DirectDraw	•
	Record file Length VMR7 5 Minute	
OK		
Cancel		

4.2 System setup function description

Function	Description	
Host Name	Assign a DVR name. The DVR name is for identification on a network	
Enable Auto Login	Enable this function to make the DVR use predefined user credentials to login automatically when the DVR is powered on.	
Shut Down the System when Exit	Enable this function to auto shut down the system when the user exits the DVR application.	
Disable Windows Key	Prevent users from switching between DVR applications and windows. Alt-Tab, Alt-F4, left and right windows keys, Ctrl-Alt-Del, and the PowerView minimize button are restricted.	
Accept Remote Side to Control System Reboot	Enable this function to allow remote reboot of the DVR.	
Auto Reboot	Allow the DVR to auto reboot periodically at preset times.	
Watchdog Setting		
Enable Watchdog	If the DVR crashes, the DVR will be automatically reboo- ted. The capture card's watchdog output must be con- nected to the motherboard reset.	
Enable watchdog if sys- tem failed to reboot	The DVR will reboot itself if the DVR doesn't respond to a turn off command.	
Video Format		
Video Format	Set the video format: NTSC or PAL	
Record File Length		
Record File Length	Set the time segment of each normal recording file.	
Display Mode	Selectable display mode: DirectDraw, VMR7 or VMR9	

4.2.1 User Account Setup

DVR Configuration			
System Setup Device Setup Device Setup Device Setup Device Setup S	User Account User Information User Name Password Password verify E-Mail Phone Number Mobile Phone Number Authouthority Setup System Default Apply authourity from user Add User	<u> </u>	PowerView
OK Cancel			

4.2.2 User account function description

Function	Description
User Information	Enter user name, password, email, phone, and cell phone number. Press "Add User", and then press "OK" to complete setup.
System Default or Apply Authority from User	The system defaults to enabling all priveliges. Alterna- tively, Apply Authority from User applies all authority set- tings from another user.

User Authority Setup

DVR Configuration		X
System Setup	Admin	PowerView
User Account Admin Joan Storage Setup Camera Setup One Common	Delete user User Information User Name	Admin
- Group Setting - Sequence Setup - Event Action Plan Setup - Network Setup - Device Setup - Other Tools	Password E-Mail Phone Number Mobile Phone Number	Password change
	Authority Setup Camera authority setup Image: Authorize local setup Image: Authorize remote setup Image: Authorize remote setup Image: Authorize system shut down Image: Authorize system shut down Image: Authorize system shut down Image: Authorize local control DO output Image: Authorize local control DO output Image: Authorize control DO output Image: Authorize view event log Image: Authorize control Log Image: Authorize control Log Image: Authorize control Log Image: Authorize control Log Image: Authorize control Log Image: Authorize control Log	
OK Cancel		

User authority setup function description

Function	Description
Accept Local Setup	Access right for user to do local DVR configuration
Accept Remote Setup	Access right for user to do remote Configuration through remote software (Power Center) or IE browser.
Accept System Shut Down	Allow user to shut down DVR
Accept manual Backup	Allow user to operate manual backup function
Accept Local Control DO Output	Allow user to control DO on/off through the local site eMap
Accept Remote Control DO Output	Allow user to remote control DO on/off on using eMap
Accept Event Log	Allow user to operate Event log function
Accept Clear Log	Allow user to clear all log list and event recording files
Accept Video Color Control	Allow user to adjust video color configuration in main program via the camera configuration and PTZ control menu.
Accept Open eMap	Allow user to view eMap on the local DVR

Video Authority Setup

DVR Configuration		
System Setup	Admin	PowerView
Admin Joan	Delete user	
Storage Setup Camera Setup Setup	User Information User Name	Admin
- DO Setup Group Setting	Password	Password change
Sequence Setup Event Action Plan Setup Network Setup	E-Mail Phone Number	
Device Setup Other Tools	Mobile Phone Number	
	Authority Setup Camera authority setup	
	Surveillance 1. 2. 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 Playback 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 PTZ Control 2, 3, 5, 7, 9, 11, 12, 13, 14, 15, 16 Save As 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	, 15, 16
ОК	Print	
Cancel		

Video authority setup description

Function	Description
Surveillance	Access right for user to monitor selected cameras (Video screen will display the default background image if user has no rights to monitor)
Playback	Access right for user to playback selected cameras (Video screen will display the default background image if user has no rights to monitor)
PTZ Control	Access right for user to control PTZ devices (The PTZ function keys will be disabled if user has no authority to control the camera)
Save As	Access right for user to save images or video files in playback mode. (The Save As button will be disabled if user has no rights to control this camera)
Print	Access right for user to print the image in Playback mode (The Print button will be disabled if user has no rights to control this camera)
Remote View	Access right user to monitor the cameras images from the remote site.

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Function		Description
	Limit Connection Time	Limit the remote users' connection time. When the time limit is reached, the remote user is disconnected. This function enables other users to have a chance to connect.
	Schedule	Limits access of remote users to this schedule.
Remote Playback		Access rights for remote playback of selected cam- eras
	Limit Connection Time	Limit the remote users' connection time. When the time limit is reached, the remote user is disconnected. This function enables other users to have a chance to connect.
	Schedule	Limits access of remote users to this schedule.
Remote PTZ		Access right for remote user to control PTZ. The PTZ function keys will be disabled if the user has no authority to control the camera.
Remote Save As		Access right for remote user to save image or video files in playback mode. The Save As button will be disabled if the user has no rights to control this cam- era.
Remote Print		Access right for remote user to print out the play- back image(s). The Print button will be disabled if the user has no rights to control this camera.

4.2.3 Storage Setup



4.2.4 Storage Setup Function Description

Function	Description	
Storage Media Library	Setup storage for path, cameras, safe space and record conditions.	
Add	Add a new storage space and define conditions	
Delete	Delete a storage space	
Modify	Modify the conditions of storage space.	
Storage Media Setup	Click "Add", and "Modify button to assign storage conditions.	
Dick Satup	Storage Media Setup Image: Storage Setup Image: Automatically delete oldest record file Disk Setup Modify Hard Disk Safe Space Free Space Image: Storage Setup Storage Media Setup Image: Storage Setup Modify Hard Disk Safe Space Free Space Image: Storage Media Setup Modify Image: Hard Setup Modify Image: Storage Media Setup Modi	
Disk Setup	Auto-detect the available hard disks and list them in the storage setup menu.	

Function		Description			
	Automatically Delete Oldest Record File	Oldest recorded file will be overwritten when the remaining hard disk space is smaller than the safe space.			
	Modify	Click "Modify" to revise safe space and cameras.			
	Hard disk	Click to pick up hard disks			
	Safe space	The safe space must be 500 MB or above			
	Free space	The system will detect and show the free space of each hard disk.			
	Camera	Select a single camera to record from			
	Select all	Select all cameras			
	Delete all	Delete all chosen cameras			
	Record Events Only	Only available for recording events. Clicking the "record events only" button will save event files to a selected partition; otherwise, recorded event files will be saved on each camera's storage partition.			

4.2.5 Automatic (Scheduled) Backup Media

Function	Description
Modify	Click the "Modify" button to assign a scheduled backup media.
	✓ Automatically delete oldest record file Disk Setup Modify Hard Disk Safe Space □ ← C1 500 MB □ ← C2 500 MB □ ← C1 500 MB □ ← C2 500 MB □ ← C3 500 MB □ ← C3 500 MB □ ← C3 500 MB □ ← C4 500 MB
	Camera Camera Camera Conera Co
	Record events only OK Cancel Refer to storage media setup.

Function	Description		
Snapshot Folder	Set the snapshot storage path. The snapshot camera icon will be displayed when the cursor is moved over the top left of the camera's feed. The snapshot will be saved in the chosen path.		
Event Reserve Days	All events, including motion detection, sensor and system login/logout will be kept in the DVR system for the given number of days.		

Scheduled Backup Function Operation

- 1. Go to Configuration, Storage Setup
- 2. Click Modify to assign hard disks and cameras.

Hard Disl	Safe Space	Free Space		
_∞C:\	500 MB	1052 MB		
Se D:1	500 MB	111/36 MB		
	500 MB	1025 MD		
	500 MB	44071 MB		
4	CCD4			

- 3. Enable "Automatically delete oldest record file" to do a cyclic backup or click the "Modify" button to change the amount of safe space. At least 500 MB of free space is reserved on each hard disk to ensure DVR recording file safety.
- 4. Press OK to confirm the storage media setup.
- 5. Click to Enable backup function.
- 6. Assign Backup Start time: only available the first time backup is used. Subsequent backups will start at the same time.
- 7. Select a backup time interval.



4.3.1 Video Setup Function Description

Function	Description
Setting Will Apply to This Video Only	Press this button to change a single camera's set- tings or apply settings to others cameras. If you want to apply settings to others cameras, please click this button before modification. Camera configuration will be revised only for the modified items. The other con- figuration items remain the same. Some functions which cannot be applied to other cameras will be disabled
General Setup	
Camera Name	Assign a new camera name
Enable	Enable or disable camera surveillance. The system will not record video and audio files if you disable this function.
Enable Video Record	Enable or disable video recording. If you disable this selection, the camera will not record in any situation.
Enable Audio Record	Enable or disable audio recording. Only available when the capture card supports audio recording.
Display	
Font Display Size	Adjustable font display size
Font Display Color	Adjustable font display color
Resolution	Adjustable resolution of each chipset. The higher the resolution, the better image quality. For example, PV-600 only has one video chip but supports 4 video channels, so if you adjust the resolution of camera 1, the resolution of camera 2, cameras 3, and camera 4 will be changed simultaneously.
Color Regulation	
Hue/Contrast/Brightness/ Saturation	Adjustable Hue, Contrast, Brightness and Saturation for record. The range is from 0 to 255. The default setting is 127.

4.3.2 Camera Setup – Camera # – Record Setup

DVR Configuration		×
- System Setup	Record Setup PowerView	,
User Account		- I
Storage Setup	B Sotting will apply to this somers only Compare Based Calendaria	1
Camera Setup		
 Camera 1 <u>Record Setup</u> Motion Detection 	Camera Record Mode Setup	
- PTZ Setup	Description Weekday- day	
. E Camera 2		
. E Camera 3	Record when event occured only	
. E. Camera 4	Normal Decord Frame Datec	
. Camera 5	raine per second	
. E Camera 6	Normal Record Quality 6	
. E. Camera 7	Normal Post	
😟 Camera 8	Notilial Dest	
😟 Camera 9	Event EDS	
. E Camera 10	4 raine per second	
😟 Camera 11	Event Quality 6	
🕖 Camera 12	Normal Best	
🕀 Camera 13	Nomai	
🕖 Camera 14		
i Camera 15	Event Record Time	
. E · Camera 16	Event pre-record time 3 • Second	
- Sensor Setup		
- DO Setup	Record 10 • Second	
- Group Setting		
- Sequence Setup		
Event Action Plan Setup		
- Network Setup		
- Device Setup		
OK		
Cancel		
		-

4.3.3 Record Setup Function Description

Function	Description		
Setting Will Apply to This Video Only	Press this button to change between applying settings to a single or camera or all cameras. You have to switch to "apply to others cameras setting" mode before modification.		
Video Recording Schedule	Assign a recording schedule from a week view (week- day schedule) or month view (day schedule). Default setting is weekday schedule in the first recording mode.		
Video Record Mode Setup - (Seven Different Setting Modes)			
Description	Rename the recording mode. This makes it easy for the user to recognize a video record schedule.		
Record When Event Occurred Only	Only record when a motion detect or sensor is trig- gered.		
Normal record FPS	Normal recording frames per second (1 to 30 fps). More frames per second results in smoother in video playback with more storage used.		
Normal Quality	Normal recording quality (1 to 10 degrees). A higher number results in better video quality		

Function	Description
Event FPS	The number of frames per second (1 to 30 fps) that are recorded when an event is triggered. A higher number results in smoother video playback. This is only avail- able when an event is triggered.
Event Quality	Event recording quality (1 to 10 degrees). The higher the number, the better the picture quality.
Event Record Time	
Event Pre-Record Time	Keep this number of seconds of video before the event is triggered. Recording quality and frame rate depends on the event FPS setting.
Record	Keep this number of seconds of video after the event is triggered. Recording quality and frame rate depends on the event FPS setting.

Camera Record Schedule setup



Recording Mode - (Seven Recording Modes) Function Description

Function	Description
Weekday Schedule	
Video Recording Mode	Up to 7 recording modes are available for scheduling. Each camera can have its own recording mode. If you want to apply the recording modes to other cameras, you should select "apply to others cameras" before recording mode setup.
Sunday to Saturday	Assign recording modes to weekdays. Each color repre- sents a different mode. Each time segment is 15 minutes.
Select All	Choose a recording mode, and then copy it to all other days.
Clear All	Clear all schedule settings.
Day Schedule	
Day Schedule	The user may set a unique daily schedule. The priority of the day schedule is higher than the weekday schedule. All outdated schedule settings will be deleted.

Operation

1. Choose a recording mode. (The recording mode can be renamed in Camera Setup, Record setup, Description)



2. Click and hold the left mouse button to drag and draw time segments on each weekday. To remove the schedule, left click the mouse button and draw the schedule bar out of the recording segment.

- 3. Press the "Select All" or "Clear All" button to select or remove all recording schedules. To duplicate the schedule, simply select the day you want to duplicate, and then press the "Copy to" button.
- 4. Day Schedule allows the user to set a unique daily recording schedule. Simply click the date on the calendar and schedule the time segment beside it.

				August 2006			
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturdary
AM			1	2	3	4	5
AM	6	7	8	9	10	11	12
AM	13	14	15	16	17	18	19
PM	20	21	22	23	24	25	26
PM	27	28	29	30	31		
PM							
PM AM							

4.3.4 Video Setup – Video # - Motion Detect Setup



4.3.5 Motion Detect Setup

Function	Description
Setting Will Apply to This Video Only	Press this button to change between applying set- tings to a single or camera or all cameras. You have to switch to "apply to others cameras setting" mode before modification.
Enable Motion Detect	Enable or disable motion detection.
Motion Detect Schedule	Define times when motion detection is active.
Motion Mode Setup - (Seven	Different Modes)
Description	Assign a description for a motion detection event. This makes it easy for users to recognize the sched- ules.
Event Interval Time	Assign an event interval time between two event trig- gers. The next similar event will be triggered again after a given period of time.
Delay	The alarm will be triggered after motion detection is triggered continuously for the given number of sec- onds.
Sensitive	Adjust motion detection sensitivity. The lower the number, the higher the sensitivity.
Motion detect Setup	
Add New Area	Add grid areas for motion detection (Detection areas are unlimited).
Clear Selection Area	Clear the selected motion detection area.
Select All	Select all areas for motion detection.
Clear All	Clear all detected areas.

lotion Mode			1 - v	chicle		
eekday Sch	edule Day Sch	edule				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12 AM	12 AM	12 AM	12 AM	12 AM	12 AM	12 AM
2 AM	2 AM	2 AM	2 AM	2 AM	2 AM	2 AM -
4 AM	4 AM	4 AM	4 AM	4 AM	4 AM	4 AM
6 AM	6 AM	6 AM	6 AM	6 AM	6 AM	6 AM -
8 AM	8 AM	8 AM	8 AM	8 AM	8 AM	8 AM -
10 AM	10 AM	10 AM	10 AM	10 AM	10 AM	10 AM -
12 PM	12 PM	12 PM	12 PM	12 PM	12 PM	12 PM -
2 PM	2 PM	2 PM	2 PM	2 PM	2 PM	2 PM -
4 PM	4 PM	4 PM	4 PM	4 PM	4 PM	4 PM
6 PM	6 PM	6 PM	6 PM	6 PM	6 PM	6 PM -
8 PM	8 PM	8 PM	8 PM	8 PM	8 PM	8 PM -
10 PM	10 PM	10 PM	10 PM	10 PM	10 PM	10 PM
12 AM	12 AM	12 AM	12 AM	12 AM	12 AM	12 AM
				_	Select a	
unday	- <u> </u>	John to	Sunday	-	Clear Al	l.

Motion Mode - (Seven Motion Modes)

Weekday Schedule	
Sunday – Saturday	Assign recording modes to weekdays. Each color represents a different mode. Each time segment is 15 minutes.
Day Schedule	
Day Schedule	The user may set a unique daily schedule. The prior- ity of the day schedule is higher than the weekday schedule. All outdated schedule settings will be deleted.

4.3.6 Video Setup – Video # - PTZ Setup



PTZ Setup

PTZ Device	This enables assignment of different PTZ devices to each camera. A drop-down list is available for the user to select the proper PTZ device.
PTZ Device ID	This enables assignment of a PTZ device ID to a camera.
PTZ Home Position	Set the PTZ home position. When an event is trig- gered, PTZ will rotate to a preset position and go back to the home position when the even is over.
Image Display Area	The images are displayed at the preset positions defined here.

System Setup	Sensor Setup	And the second	ViewSys Corp
Video 1 Record Setup Motion Detect Setup PTZ Setup Video 2 Video 3	Setting will apply to this F Enable Sensor Sensor Name Sancori	s sensor only	Sensor Schedule
Video 4 Sensor Setup Sensor 1	Video		
Sensor 2 Sensor 3 Sensor 4	1 - door		-
DO Setup Sequence Group Setup Sequence Setup Event Handle Setup Network Setup Device Setup Other Tools	- Sensor Setup Mode Description Event Interval Time Delay	Config1 10 ÷ Second 0 ÷ Second	1 .
	Single Type C NC R NO		
•			
OK			

Sensor Setup	
Setting Will Apply to This Sensor Only	Press this button to change between applying set- tings to a single or camera or all cameras. You have to switch to "apply to others cameras setting" mode before modification.
Enable Sensor	Active sensor
Sensor Name	Assign a name for this sensor
Camera	Start recording when a sensor is triggered. Each camera has it's own recording quality and frame rate.
Sensor Setup Mode - (seven	sensor setup modes)
Description	Assign a description for the sensor to make it easy to recognize in the scheduling screens.
Event Interval Time	Assign the event interval time between two events triggered. The next similar event will be triggered again after the given period of time.
Delay	The sensor will be triggered after motion detection is triggered continuously for number of seconds.
Single Type	Assign a sensor type: Normally Closed or Normally Open.

nsor Mode			3 - C	onfig3		
ekday Sche	dule Day Sche	edule				
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2 AM	12 AM	12 AM	12 AM	12 AM	12 AM	12 AM
2 AM	2 AM	2 AM	2 AM	2 AM	2 AM	2 AM
4 AM	4 AM	4 AM	4 AM	4 AM	4 AM	4 AM
6 AM	6 AM	6 AM	6 AM	6 AM	6 AM	6 AM
8 AM	8 AM	8 AM	8 AM	8 AM	8 AM	8 AM -
0 AM	10 AM	10 AM	10 AM	10 AM	10 AM	10 AM
2 PM	12 PM	12 PM	12 PM	12 PM	12 PM	12 PM
2 PM	2 PM	2 PM	2 PM	2 PM	2 PM	2 PM
4 PM	4 PM	4 PM	4 PM	4 PM	4 PM	4 PM
5 PM	6 PM	6 PM	6 PM	6 PM	6 PM	6 PM
PM	8 PM	8 PM	8 PM	8 PM	8 PM	8 PM
PM	10 PM	10 PM	10 PM	10 PM	10 PM	10 PM
2 AM	12 AM 12:00	12 AM 12:00	12 AM 12:00	12 AM	12 AM	12 AM
veha	-	Copy to	Thursday		Select al	
			,		Clear Al	1
					OK	Cancel

Sensor Schedule - (Seven Sensor Modes)		
Weekday Schedule		
Sunday – Saturday	Assign recording modes to weekdays. Each color represents a different mode. Each time segment is 15 minutes.	
Day Schedule		
Day Schedule	Assign a unique daily schedule. The priority of the day schedule is higher than the weekday schedule.	

System Setup	DO Output 1	ViewSys Corp
Video Setup Senior Setup Senior 2 Senior 2 Senior 2 Senior 4 DD Setup DD Duput 4 DD Duput 4 DD Duput 4 Sequence Setup Sequence Setup Sequence Setup Device Setup Other Tools	F Enable DO DO Name DO	
0K Cascel		

DO Output Setup	
Enable DO	Enable the digital output function. This enables you to control DOs by clicking on the eMap.
DO Name	This enables a digital output name to be assigned.

System Setup	Sequence Grou	p Setup				ViewSys	Cor
Video 1 Video 1	Group						
Video 2 Video 3	Group					Add	
E Video 4	Floor 1 Floor 2					Dalata	
Sensor Setup Do Setup Sequence Group Setup Sequence Setup Event Handle Setup Network Setup Device Setup							
Uther Loois	Floor 1	1			1		
	Survei	Name		Video	Name		-
	▲ ▼	CCD2	« »	4	CCD4		>>
OK							

Group Setup (Selectable Group display at the Main Screen)

Group	
Add	Add a new group
Delete	Delete a group
Rename	Double click left mouse button to rename the group.
Content	
Left Window	The left window shows the current group of chosen camera(s). Click the or value or value of the camera order.
Right Window	The right window shows the cameras that may be added to currently selected group. Click <i>contexposition</i> or <i>to add or remove camera(s)</i> from the group.

1. Select Configuration, Group Setup to invoke the menu.



- 2. Press "Add" to create a new group.
- 3. Left double-click the group name to rename the group.
- 4. Select cameras from the right windows and then press <u>v</u> to add cameras to the left windows. Press <u>v</u> to remove cameras from the group.

After setup is complete, the camera group can be selected on the main screen.



4.7 Group Sequence Setup

Assign the sequence time and cameras in each group. After setting is completed, cameras feed in main screen will display group sequence when select the screen sequence mode in screen layout button or select group name directly to switch the camera feeds.

System Setup	Sequence Setup	ViewSys Cor
Video Setup Sensor Setup	Sequence	
DD Setup Sequence Group Setup	Sequence	Add
Sequence Setup Event Handle Setup Network Setup Device Setup Other Tools	Sequence1	Delete
		Sequence Schedule
	Superillance Group	Group
	Floor 1	Floor 2
OK	Interval Time	60
1		

Group Sequence Setup	
Function	Description
Add	Adds a new sequence.
Delete	Deletes the sequence.
Rename	Renames the sequence. Click the left mouse button to rename the group.
Sequence Schedule	Up to a maximum of 7 sequence models for schedule sequencing are available.
Surveillance Group	
Right Window	You may display the configured Group with the right
	button. You may click on the < button to add a new
	group, or the <u>>>></u> button to delete a group.
Left Window	Displays the selected group. Drag the left side up
	or down 💌 to rearrange the order of the cameras.
Interval Time	Set the group sequence time interval

- 1. Configuration, Group Sequence Setup, click the "Add" button.
- 2. Rename Sequence: click twice on the sequence name to rename it.
- 3. Group sequence setting: to choose a group in the right bottom window, press <u>v</u> to add the group to the surveillance group. Press <u>v</u> button to remove a group from the surveillance group. Press "OK" to confirm the setting.
- 4. After setup is completed, click for the *screen layout* button on the main screen and choose a sequence button to arrange the display mosaic and the sequence of display jumping.



4.8 Event Action Setup

You may configure flexible *event actions* with multiple actions per event source.

Event sources include: motion detected, sensor triggered, video signal lost, login failed, system abnormality and backup disk full.

Event actions include: DO output, PTZ control, e-mail notification, SMS notification, video file record, snapshot, phone/mobile voice notification, warning sound playback, video group playback and execute chosen programs.

4.8.1 Function Description



Event Action Setup		
Function	Description	
Add	Adds a new event	
Delete	Deletes a chosen event	
Modify	Modifies the event action settings	
Duplicate	Duplicates a chosen event	
UP / DOWN Buttons	To rearrange the event actions priority, click the up	
	▲ or down ▼ button. If events are triggered at the same time, the top one will have a higher priority for execution.	
Event Action Information		
Action	Displays any information about the action corre- sponding to a particular event.	

Event Action Plan

Add New						
Description]					
Event Source Source Type						
Motion Detection						
Source Status						
Motion Detect Trigger	•					
Camera						
1 - CCD1	-					
Action warning interval time						
0 ÷ Second						
Action Select						
C DO Output	Setup					
PTZ Control	Setup					
□ Send E-Mail	Setup					
C SMS Notify	Setup					
F Http Notify	Setup					
Record Video File	Setup					
☐ SnapShot	Setup					
C Phone Notify	Setup					
Play warning sound	Setup					
Play Group Sequence	Setup					
Execute File	Setup					
Event Schedule 0K	Cancel					
Eve	Event Action plan- Add New and Modify Pages					
---	---	---	---	--	--	--
Description		Assign description	Assign description for event			
Event Source		Choose event sou	Choose event source by drop down list.			
	Source Type	Motion detection, S tus, System event,	Motion detection, Sensor detection, Camera signal, Log sta- tus, System event, Backup status and Recording status.			
	Source Status	Select the correspo	onding of the source type.			
Video		When the event so lost, the user must select another corr source, please add	When the event source is <i>motion detection</i> or <i>video signal</i> <i>lost</i> , the user must select the corresponding camera. To select another corresponding camera for the same event source, please add a new event again.			
Act val	ion Warning Inte Time	 Assign the interval warnings for the same 	of event warning to prevent multiplex ame event frequently.			
val Time Event action select: Each event source only event has to trigger the new event with differer DO Output S m		only can be selected on the different cameras/E rent camera/DO. Send a signal to DO. I menu. D0 Output Output ID Single Type Delay Hold in	ce for one kind of actions. So if the same DO of the same action, user has to add a Enable this function to invoke DO setup			
0		Output ID	Choose the DO model from the drop down list.			
		Single Type	Set the single type (Pulse, On, Off)			
		Delay	Assign the delay time after event trig- gered.			
H		Hold in	old in If single type is Pulse, have to set # of seconds			

PTZ Control	Enable PTZ control ite to display pre-set posit	m to invoke this setup menu. Assign PTZ tion image when event is triggered.
	PTZ Control	
	Camera	CCD1
	© Jump back to PTZ home p	osition
	Jump to PTZ Position	2
	Hold in 10	Second
	Keep current PTZ position Jump to PTZ Position	
	camera	Choose PTZ camera for event handling.
		configuration before assign this function.
	Jump back to PTZ	PTZ camera will turn to pre-set PTZ
	home position	position for # of seconds, and then turn back to default position
	Keep current PTZ	When event is triggered, the PTZ cam-
	position	era will turn to the pre-set PTZ position and hold this per-set position
Send E-Mail	Send email when ever	nt is triggered
	Send E-Mail	X
	E-Mail	Show User
	service@advantech.com.tw	
	Subject	
	Content	
		OK Cancel
	F-Mail	Click "Display User" button to assign a
		user who has to be notified. (Need to
		assign the user's e-mail address in
		before setup.
	Subject	Assign an subject for the event
	Content	Assign the content for event.

SMS Notify	Send SMS notification to a mobile phone.			
	SMS Notify	X		
	Phone Number	Show User		
	Content			
		OK Cancel		
	Phone Number	Auto-dial when event is triggered. Use		
		semicolon ";" to separate different phone		
		numbers. Io dial external line, use		
		comma "," to separate it.		
	• • •	For example: 87920547;0,0932023421		
	Content	Assign the content of SMS		
Http Notify	Assign Http to send wa	arning message		
	Http Notify			
	URL:			
	1			
	Retry	3 🗄		
	Dump error response			
		OK Cancel		
		_		
	URL	URL for sending messages		
	Retry	Numbers of retrial times when notifica-		
		tion message sending is failed		
	Dump Error	Write error message to a file		
	Response			

Record Video File	Record to video files			
	Record Video File			
	Camera Recording Time Same as event interval ti Specify recording time Record	T - CCD1		
		OK Cancel		
	Camera	Choose a camera to record		
	Record Time			
	Same as event inter- val time	Recording time the same as event inter- val time		
	Specify recording time record	Assign numbers of recording time when event triggered		
	Enable E-Mail Notifi- cation	Send e-mail with the attached record file when recording is completed		
SnapShot				
	Record Video File			
	Camera Recording Time Same as event interval ti Specify recording time Record	TeccD1 me 10 ÷ Second		
	Enable E-Mail Notify			
		OK Cancel		
	Camera	Select a camera to do snapshot		
	Display OSD			
	Camera Name	Display camera ID name in the image		
	Date and Time	Display date and time in the image		
	Event Description	Display the event source description		
	Enable E-Mail Notifi- cation	Send an e-mail with a snapshot image		

Phone Notify	Assign the information User has to press # sig more than one user in "Phone Number" listing Phone Number Phone Number Play Sound File Retry 30	n for phone notification. gn in order to hear the wav file. If there is the calling list, the priority will be based on g.
	Phone Number	Use ";" semicolon to separate each phone number and "," comma to distin- guish external or district number. For example: 0,0932023421
	Play Sound File	The wav sound format must be 8KHz, 16Bits and Mono
	Retry	Assign retrial times for phone notifica- tion when dialing failed. If the phone had been picked up but no pressing # sign, system will regard as dialing failed.
Play Warning Sound	Playing warning sound chosen sound.	by using mother board default sound or
	Play warning sound Play Sound File F Hold playing Hold in Interval	
	Play Sound File	Choose a wav file to play
	Hold Playing	Enable this function to hold playing the same wav file or disable hold playing function and assign number of seconds for playing wav sound.
	Interval	Replay the wav file after number of sec- onds later (Note: some wav sounds only have one or two seconds, so user can set interval time to replay it)

Play Group Sequence	Choose to play group video sequence or a video when event is triggered Play Group Sequence Caroup Name Camera Camera Second			
	ОК	Cancel		
	Group Name	Choose a group to be displayed		
	Camera	Choose a camera be displayed		
	Hold In Assign continues time for gro			
sequence our camera display.				
	Execute File Execute File Parameter			
Show Status Show				
	OK Cancel			
	Assign an .exe file for event action when event triggered.			
	Assign the parameter to the third party .exe file			
Show Status To hide or display the execute t				
Event Schedule				
Event Schedule	Assign schedule to active event actions.			

4.8.2 Operation

- 1. Click "Add New" button to create a new event action.
- 2. Assign the description of the event.

Add New 🛛 🔀		
- Description		
- Event Source		
Source Type		
Motion Detection	•	
Motion Detection		
Sensor Detection		
Camera Signal		
System Event		
Backup Status		
Recording Status		
Jo _ Second		
Action Select		
🗂 DO Output	Setup	
F PTZ Control	Setup	
🗖 Send E-Mail	Setup	
🗆 SMS Notify	Setup	
T Http Notify	Setup	
F Record Video File	Setup	
🗖 SnapShot	Setup	
F Phone Notify	Setup	
F Play warning sound	Setup	
F Play Group Sequence	Setup	
Execute File	Setup	
Event Schedule	OK Cancel	

- 3. Define the condition of event source: Select event type and event status. Define action warming interval time. If event source is motion detection or video signal, you have to assign a camera ID. If event source is sensor detection, you have to assign a sensor ID.
- 4. Select the event action. Support multi selection.
- 5. Click to invoke the event actions setup window. After setup, also can click "Setup" button to modify the settings
- 6. Assign the event schedule
- 7. Click "OK" to confirm setup

etup	Network Setup	Viev	vSys Cor
tup etup	Network Setup F Enable Web Server	Port:	80
e Group Setup e Setup ndie Setup Setup etup	Enable Dynamic IP register Register Name Server IP Address		
	Enable Time Synechnoize Server Address]
	Limit the connections for the remote view Limit the connections for the remote play Starting Port Base		0 0 14096
	E-Mail Setup Server Name Sender Address Sender Name Character Set		
	E-Mail Verify Information Login Authority User Name		_
	Password		
and .			

Network Setup				
Function	Description			
Enable Web Server	Need to enable this item for remote AP and IE to connect DVR			
Port	The default http port is 80			
Enable Dynamic IP Register	If DVR use dynamic IP, by enabling Dynamic IP Register function, DHCP IP Provider Server will provides current DVR IP address to remote computer			
Register Name	Assign a DVR ID to register to DVR IP provider. Each DVR should Assign different ID.			
Server IP Address	Assign Server IP address. It could be an IP or http address			
Énable Time Synchro- nize	Synchronize all DVRs' time			
Server Address	Assign the reference DVR IP address for time synchroniza- tion			
Limit the Connections for the remote view	Limit the number of remote view users			
Limit the Connections for the Remote Play- back	Limit user numbers for remote playback			

Starting Port Base		Default port number is 14096, other required port numbers will be based on 14096 and plus 1 after another.	
E	E-Mail Setup (setup ema	il account when event triggered)	
	Server Name	Set mail server SMPT name	
	Sender Address	Assign Sender's email address	
	Sender Name	Assign sender's name	
	Character Set	Select drop down list to choose e-mail character	
	Login Authority	Assign the user name and password to mail server for login.	

4.10.1 Function Description

System Setup	Device Setup					ViewSys	s Corp	
Sensor Setup	PTZ Device Setup							
DO Setup	PTZ Device	Com Port	Transfer	Parity	Deta Bits	Stop Bits	Flow C	
Sequence Group Setup Sequence Setup Event Handle Setup Network Setup	DYNAC D7720 Serial Speed Dome	COMI	9600	No	8	1	No	
Other Tools	c						>	
				Add		Delete		
	- SMS Device Setup							
	Used Port	Used Port					•	
	Transfer Rate	Transfer Rate 9600					*	
	Modem Device Setup	Modem Device Setup						
	None						•	
0K								

Device Setup			
PTZ Device Setup			
Function	Description		
Add	Add a new PTZ device. Click drop down list of each field for detail setup		
Delete PTZ device			
SMS Device Setup (Opti	ional GSM modem such as WAVECOM M1206)		
Used Port Set SMS COM port			
Transfer Rate Drop down list for the transfer speed selection			
Modem Device Setup (Jf modem card and software are proper installed, PowerView will display this modem model number automatically when user login. Use drop down list for selection)			

4.10.2 Modem Card Installation Procedure

- 1. Plug the modem card on mother board
- 2. Do not use the default driver of the windows automatically given, please reinstall driver from modem CD pack.
- 3. After installation, go to other Setup in Configuration and choose modem type.
- **Note:** User must install modem card because motherboard does not support this function.
 - Please install original driver that modem card CD pack enclosed.
 - Please use modem with ES or Motorola chipset on board
 - DVR will dial for after 10 seconds event triggered, and it takes 5 seconds for dialing. The total dialing time is about 15 seconds. It means user will receive a phone call after 10 seconds motion detect triggered
 - After the phone makes contact, user will hear the NotifyMenu.wav voice. Press any buttons on phone to hear the selected wav file.(able to record a wav file by yourself)
 - The content of NotifyMenu wav file is Power-View DVR system pre-set alarm message. User has to press any button to hear selected wav file, or press # sign button to cancel the alarm.
 - NotifyMenu will play twice, and voice playing time is about 8 seconds per time. If user picks up the phone after ringing 16 seconds, he will not hear any warning message.
 - The DVR system will only redial the given pre-set phone number of times if nobody picks up the phone or press the # sign. (Set the redial times in Event action plan in configuration)

ystem Setup	Other Tools	ViewSys Co
ensor Setup	Configuration file tool	
U Setup equence Group Setup	Save configuration file	Ξ.
quence Setup	Load configuration file	E
vent Handle Setup stwork Setup	- Configuration file information	
wice Setup	File Name:	
her Tools	Created Date:	
	Created DVR Name:	
	Version:	
	Annhy settings from configu	uration file
OK		

Other Tools			
Function	Description		
Save Configuration File	User can save the DVR configuration for backup or provide configuration to other DVRs for copy.		
Load Configuration File	If previous configuration is saved, user may choose it in here form storage path.		
Configuration File Information (This column will show the related configuration infor- mation here)			
File Name	The name of load configuration file		
Created Date	The file created date		
Created DVR Name DVR name which the configuration file created from Based on DVR name, user may trace and find out the config file is from			
Vision	The software version, in case to make sure the compatibil- ity		

CHAPTER CHAPTER

Manual Backup

This chapter describes manual backup.

Chapter 5 Manual Backup

The backup function explained in this section is called a manual backup. Through this function, users can backup image files to a external USD hard drive or burn to a CD-ROM or DVD-ROM directly by selecting each camera and the time period of record data. (For burning CD-ROM or DVD-ROM, Nero 5.5 or above should be installed.)

5.1 Function Introduction

le Backup		
HardDisk		
F:\		
Exist size		1025 MB
Reserve Size		100 MB
- Backup time		
Start Time:	8/ 2/2006	▼ 10:01:38 ÷
End Time:	8/ 2/2006	▼ 10:01:38 ÷
Backup Video		
1,2,3,4		Y
Storage Size		
Estimated storage size		50 MB
Est	imate used size	
	5.41 %	
Start backup	1	Cancel

Manual Backup	
Function	Description
Storage Device	
Storage Space	Assign the path and disk space for storage device.
Free Space	System will detect automatically and show available space for backup.
Safe Space	Default is 500MB
Backup time	Select start and end time for back up.
Backup Cameras	Select each camera or all cameras for back up
Estimated Storage Space	The system will automatically calculate the storage space required for backing up the required record data. Click "Estimate the Size Used" button, and the system will show the required disk space in terms of a percentage. If the available space is not enough, the system will prompt a message for the user.
CD/ DVR burning function	Assigns the path for CD-RW or DVD-RW to write the backup (Nero 5.5 or above should be installed before using this function).

5.2 Operation

1. Click 🖾 button to set the path of storage device for backup.



Note: Please reserve 500MB safety space for this HDD to avoid a Windows system error.

- 2. Define start and end time for the back up
- 3. Select a camera ID for back up. User can select each camera or select all.
- 4. Click "Start Backup" to start backup process.
- 5. Backup process complete.
- CD/DVR burning Backup: Choose the CR-ROM/DVR-ROM tab and click the "Start Backup" button to start the backup process.

- *Note:* Nero 5.5 or above version should be installed before using this function.
 - For CD-ROM backup, the backup image file is built in with auto-play function. The user can insert the backup CD-ROM into any CD-ROM drive and play the backup file automatically. No media playing software tool need to be installed previously.
 - The storage space for an empty CD-ROM is about 700MB. Please check the file size required for backing up data before starting the backup process.

снартек

Camera Configuration

This chapter describes camera configuration.

Chapter 6 Camera Configuration

The camera configuration screen provides functions for video adjustment, PTZ control and preset point assignments (for the camera with a PTZ drive unit or an all in one speed dome) for each camera.

6.1 Function Introduction



6.1.1 Function Description

lte m	Function	Description
1	Video Adjustment	Adjust hue/contrast/brightness/saturation configuration for each camera. Users can also choose the system default setting by clicking the "Default" button.
2	Cameras Zoom Adjustment	 Zoom: Change the camera (lens) zoom setting by the click [+]/[-] buttons. Focus: Change the camera (lens) focus setting by the click [+]/[-] buttons. Click [AUTO] button to invoke the "auto-focus" function. Speed: Drag the slider-bar to change "Pan/Tilt" speed.
3	Pre-Position Setting	The user can use PTZ control to set the preset and use the "GOTO" button to view the image from a preset point.
4	Function Key Define	F1F2F3F4For some all-in-one functional Domes, four function keys are reserved for the user to define special functions pro- vided by these cameras.NOTE: These special functions must be listed in the com- munication protocol for these all-in-one functional Domes for the functions to be effective.
5	Camera Orienta- tion Adjustment	Eight direction control buttons are used to adjust the ori- entation of the dome camera. Click on each button to change the camera to point in the desired direction. Click it again to stop the movement. Clicking the "AUTO" button will cause the camera to rotate automatically. Click the button again to stop the movement.
6	Screen split lay- out	Click these buttons to activate the multiple split-screen mosaic configuration.

Click button in the Main Screen to enter the "Camera Configuration Screen."

6.2.1 PTZ Pre-position Setting

- 1. Use the direction control buttons to adjust the direction and view of the camera which is desired for establishing the preset position.
- 2. Click **Set** to activate the PTZ pre-position configuration.

PTZ position configuration - Cameral				
PTZ position:		1		
PTZ position description:				
Left Lobby				
Clear all position	ОК	Cancel		

- 3. Select the preset position ID and enter a description for this position. Then click the "OK" button to finish the setting.
- 4. Click Goto to view the image from the preset position.



PowerView 6000 User Manual

CHAPTER

eMap Function

This chapter describes the eMap function.

Chapter 7 eMap Function



eMap button to invoke this menu.

7.1 Function Introduction

The *eMap* is an editing program that defines the functional hierarchy and operation of the system. The *eMap* function accesses controls cameras and digital input / output (DIO). It permits easy editing and modification of camera positions and the DIO. Event triggers in the environment are automatically linked to the digital surveillance system in *eMap*.



ltem	Function	Description
1	eMap selection menu	This menu accesses the selectable eMap level, and enables the editing program to adjust the hierarchy of eMaps.
2	Camera monitoring	To view live video, left-click twice on the mouse while the cursor is on a camera icon.
3	DI / DO	When an event is triggered, DIO icons notify the user by displaying movement graphically on the eMap. The system will switch to the DIO triggered eMap page. The mouse cursor can be moved to a DO icon and to turn it on or turn it off.
4	eMap link 🔀	Click 🔀 icon to link and view the next eMap layer.
5	Status display section	Display the client site status or an event list.

7.2 eMap edition

7.2.1 Operation

1. Execute *MapEditor:exe* (under *C:\PowerView\Bin*) to enter *eMap MapEditor Mode*.



2. Create a new file: Click to create a new file.

3. Create a new map: Click 🐹 to create a new map. Select a Map picture file and enter a new map name.

Map File		
ID : 5		
Name:	head office	
Map File:	C:\PV6\Bin\Maps\5.jpg	
	OK	

4. To edit hierarchy eMaps: move the mouse to the tree hierarchy layer which you want to create, and click ≦ button to create a new eMap layer. You may drag ≦ to any locations on eMap. For eMap operation, you can click ≦ button to hyper link to the next eMap layer.



 Cameras editor: Click button to start the camera editor. After clicking the camera button, a window will pop-up. Input camera ID, Host IP address, select camera direction icon and port number of the camera and then press "OK" to complete camera setting.

	3
Host	127.0.0.1
Camera FileName Select file	C:\PV6\Bin\Maps\CAM_
Look in: 🗁 Bin	 ▼ ← 🗈 👉 💷 •
☐ SnapShot ☐ Sounds Ø Logo	
File name:	Open
Files of type: ICO Files (*.i	ico) 💌 Cance

ID	8
Host	127.0.0.1
FileName1	C:\PV6\Bin\Maps\CAM_LT.
FileName2	C:\PV6\Bin\Maps\CAM_R.i
Port	2

6. Edit DI/DO: Click or bo open the file for editing. After clicking DIO button, a window will pop-up. Input the DIO ID, Host IP, port number and browse to select the DIO condition icon on *FileName1* and *FileName2*, and then press *OK* to complete the new setting. For example: *Filename1*: Select the icon: *fire shower_off.ico* and that icon condition is "off". *Filename2*: Select the icon for *fire shower_on.ico* and that icon condition is "on".

Setup Elemen	t		×
ID		27	
Host		127.0.0.1	
DI FileN	DI FileName		ips\CAM_
Port		0	
Select file			? 🛛
Look in: 📴 M	laps	-	🗈 💣 🎟 •
🖡 CAM_B	CAM_RT	Dome	🚽 IRLamp_ON
-CAM_L	CAM_T	Door_Close	💡 Lamp_Off
CAM_LB	DI_OFF	Door_Open	💡 Lamp_On
CAM_LT	DI_ON	IR_OFF	Ж МАР
CAM_R	DO_OFF	IR_ON	Shower_Off
CAM_RB	DO_ON	PIRLamp_OFF	The shower On
<			>
File name: 🏼 🗍			Open
Files of type:	ICO Files (*.ico)		- Cancel
Г	Open as read-only		
	OK	Cancel	

EMap * MapEditor							
En un verson Frankrig Donari							2
			Factory	1			
•							
start 6 e o	Caparts	0.0	D to	20	ap * - MapEditor	14410	12:17 8

7. After finished the edits, press the 🖬 button to save the eMap file.



Event Log

This chapter describes the event log.

Chapter 8 Event Log



Event log button to invoke this menu.

8.1 Function Introduction

The *Event log viewer* contains all the event triggers and system events, including system and remote login/logout, signal loss, triggered sensors, motion detection, all connection status, etc. It is possible to save an event list as an Excel or an Html file, or print out the event file and acknowledge the event list.

Search Condition						Function		
Event Type :			Event Time :					
Select All		• 8/30/2006 •			Switch User			
Event Status:			To			Save as		as
		8/31/2006		•				
)evice:		- 1					Prir	nt
		~	Sea	rch		Clear se	lected eve	nt and video file
Event Time	Event Type	Event Stat	tus	Device	Even	t Description	Ackno	Approve Time
2006-08-30 10:31:41 2006-08-30 10:31:46	Log Status Camera Signal	Login Camera S	ingle L	Camer	User	Admin login 2 - Camera S	Admin Admin	2006-08-31 10:20 2006-08-31 10:20
2006-08-30 10:31:47	Camera Signal	Camera S	ingle L	Camer	CCD:	3 - Camera S	Admin	2006-08-31 10:20
2006-08-30 10:31:47	Camera Signal	Camera S	ingle L	Camer	CCD	4 - Camera S	Admin	2006-08-31 10:20
2006-08-30 10:31:47	Camera Signal	Camera S	ingle L	Camer	CCD	I - Camera S		
2006-08-30 10:32:17	System Event	Setup Cha	inge		User	Admin chan		
2006-08-30 10:32:26	Log Status	Logout			Admi	n logout		
2006-08-30 10:32:26	System Event	Exit appli	cation		Exit	application		
2006-08-30 10:36:09	System Event	Applicatio	n Startup		Appli	cation Startup		
2006-08-30 10:36:09	Log Status	Login			User	Admin login		
2006-08-30 10:36:10	Camera Signal	Camera S	ingle L	Camer	CCD	2 - Camera S		
2006-08-30 10:36:11	Camera Signal	Camera S	ingle L	Camer	CCD:	3 - Camera S		
2006-08-30 10:36:11	Camera Signal	Camera S	ingle L	Camer	CCD	4 - Camera S		
2006-08-30 10:36:11	Camera Signal	Camera S	ingle L	Camer	CCD	I - Camera S		
<)
Total Found: 31	Event recor	d		Acknowl	. daa			Ende

8.2.1 Event Search

- 1. Define the event time searching.
- 2. Select each event type or all event types and then press the "Search" button to start to search.

	E				Function		
Vent Type . Relact All	EV	9/21/2006				Switch U	Jser
Select All		0/31/2000 To			Save as		as
Action Detection ensor Detection	ſ	8/31/2006	•			Prin	t
amera Signal og Status System Monitoring Event		Search			Clear selected event and video file		nt and video file
Backup Event	rent St	tatus	Device	Even	t Description	Ackno	Approve Time

3. It is possible to save or print out the event search results.

Save As	? 🗙
Save in: My Documents	
Contains digital photos, images, and graphic files. Size: 10.3 KB Files: , Sample Pictures.Ink	
File name: [*.map	Save
Save as type: PowerView Map Files (".Map	Cancel

4. To acknowledge an event, the user can press the "Acknowledge" button to confirm the event record. After verifying the event log, the event list font color will change from red to black and the system will record this acknowledgement.

Search Condition						Function		
Event Type :	Event Time :							
Select All		• 8/30/2006 •			Switch User			
Event Status:	To					Save as		
		- 8/3	1/2006	-				
Developer			172000	-			Prir	nt
Device.		¥	Sear	rch	1	Clear se	lected eve	nt and video file
Event Time	Event Type	Event Status		Device	Ever	nt Description	Ackno	Approve Time
2006-08-30 10:31:41 2006-08-30 10:31:46 2006-08-30 10:31:47	Log Status Camera Signal Camera Signal	Login Camera Sing Camera Sing	jle L ile L	Camer Camer	User CCD CCD	r Admin login 2 - Camera S 3 - Camera S	Admin Admin Admin	2006-08-31 10:20 2006-08-31 10:20 2006-08-31 10:20
2006-08-30 10:31:47	Camera Signal	Camera Sing	jle L	Camer	CCD	4 - Camera S	Admin	2006-08-31 10:20.
2006-08-30 10:31:47	Camera Signal	Camera Sing	gle L	Camer	CCD	1 - Camera S		
2006-08-30 10:32:17	System Event	Setup Chang	e		User	Admin chan		
2006-08-30 10:32:26	Log Status	Logout			Admi	in logout		
2006-08-30 10:32:26	System Event	Exit applicat	plication Exit application		application			
006-08-30 10:36:09	06-08-30 10:36:09 System Event Application Startup		startup		Appl	ication Startup		
000-00-30 10.30.09	Comoro Signal	Comoro Sinc	la l	Comer	CCD	2 Comoro S		
006-08-30 10:36:11	Camera Signal	Camera Sing		Camer	CCD	2 - Camera S		
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GHAPTER

IE Remote Control

This chapter describes IE remote control.

Chapter 9 IE Remote Control

PowerView 6000 enables you to monitor local DVR by *IE browser*. The program enables real time monitoring, remote playback, remote setting, remote recording, eMap monitoring, viewing local sites and making a client event log.

9.1 Function Introduction



9.1.1 Introduction

lcon	Function	Description
	Remote view	Press the <i>Remote view</i> button to initiate DVR IP connections
	Remote Search/Play- back	<i>Remote search</i> by time and event that functions and operation are the same as the local site
	Remote Config- uration	The <i>Remote Configuration</i> function includes IE client setup and DVR site setup.
Θ	Record	The <i>Remote recording</i> function, enables selection of the storage path in "Configuration" → "IE client setting" → "Storage Setup". Note: Need to set to "Remote view" to connect DVR before using the "Record" function.
	Remote PTZ video control	The <i>Remote control</i> PTZ and dome cameras. Operation is the same as the main program.
	еМар	The <i>Remote view</i> live video by selecting eMap. Operation is the same as the main program.
	Event log	The <i>Remote view</i> event log including motion detec- tion, video signal, sensor detection and system event. Operation is the same as the main program.
	Screen-split Layout	The Multiple split-screen mosaic configuration but- ton. (Operation is the same as main program.)
Δ	Event list spread button	Press the Even list spread button to open up the event list.
•	Audio play	Select the Audio play button to play audio. (Operation is the same as the main program)

9.2.1 Operation

- 1. Enable the Web Server function In the *setting* function of local DVR, select *Network setting*, and enable the *Web Server* setting. Default port is 80.
 - Stop [Messenger] service: Go to [Control panel] § [System management tools] § [service]; stop the Messenger function to avoid receiving some useless e-mail.
 - If local DVR does not have stable IP address, please enable dynamic IP register function.
- 2. Before connecting, open the *IE browser*, select [tools] ◊[Internet Option] ◊[Security]; change the [security level for this zone] to Low and enable all the *Active X*
- 3. Key in the IP address of local recording server, and connect to the web page.
- 4. The screen below will pop up, ask you to install and run the *OCX*, press [Yes].
- 5. Input the username and password that is the same as the username

and click button to login.

RemoteClient - Micro	wit internet Explorer	
File Edit Vew Favorito	s Tools Help	
Gm. O.	C D Sach Witness Quees Q D. 9 2	
A03 est A127.0.0.1		
PowerView		
User Name: admin		
Password:		
	All Camera All Camera Une Event Description 6(/1)/10 (\$10)357 Disconnected	
Done	BA(1)09 18:12-33 Logia Success BG(1)09 18:12-33 Logia Success	Diterret
🐮 start 🛛 🖸 🖉	0 Stenstellert - Mars	👷 🖬 1944
- 6. After entering *IE remote control* main screen, click fremote view button to start connecting
- 7. Start to operate the remote control function.

9.2.2 Remote Configuration

Operation:

- 1. Press setting button to invoke the remote configuration menu.
- 2. Select *IE client* setting or *DVR site* setting. (Operator requires *Remote configuration authority*)

Connect	
Please select connection name	
IE Client	•
Connect	Cancel

3. *IE client* Setup: The functions include *storage setup, group setup,* and *group sequence setup.*

Storage Setup	Storage Setup	PowerVie
Group Setting Sequence Setup	 Snapshot folder 	
	c:\PV6\E\127.0.0.1\	<u></u>
	C Record file folder	
	c:\PV6\JE\127.0.0.1\	2
	Limit recording time 60 Hinute	
OK		
	1	

Storage Setup Group Seting	Group Setting	PowerVic
Sequence Setup	Group	
	Group	Add
		Delete
	- Context	
	Suppliture Name Camera I	Name
~]	<u>»</u>	
0K		



- 4. Setting up the operation is the same as the DVR main program
- 5. The DVR site setting functions are the same as the DVR main program

CHAPTER 0

Tools

This chapter describes tools. Sections include:

- Watermark checker
- Database rebuilder
- Media player codec
- Record data player

Chapter 10 Tools

There are five programs in the TOOLS, including *Watermark checker*, *Database rebuilder*, *Media player codec*, *Record data player* and *Pocket PC Mobile phone remote* program.



10.1 Watermark checker



Watermark checker is an authentication program.

Open the picture (bmp) you want to authenticate, then press [watermark]. If the picture is already watermarked, it will be detected and displayed.

10.2 Database rebuilder

If a [tape] file is damaged, you can use this program to rebuild the database. If you want to copy a [tape] file to another computer to see the historical recording data, you have to rebuild the database of the [tape] file in the other computer and then playback the file using the [CapPlayer] program.

Rebuild tape database			Add Folder
Rebuild event databas	e		Add Folder
Save event database	to		
J			
Ontion			
opaon			
Check if file occrupt	ted		
Check if file occrupt	ted :		
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Grown of the corrup Grown of the corrup Delete bad tape file Move bad file to oth Action: Folder: Successfully process	ted her location to		
Process	ted her location to	View I	Result
Process	ted her location to Cancel	View I	Result

The database rebuilding program

10.3 Media player codec

The Media player codec enables software to play Mpeg4 record files on Windows Media Player after installing the Media Player Plug.

10.4 Record data player

Record data Player is the tool used by this program to playback a [tape] *.avi* file individually. After setting up, you can execute this program then search and view *.avi* files.

СНАРТЕК

Troubleshooting

This appendix describes troubleshooting.

Sections include:

- Local DVR Questions
- Remote Control Questions

Appendix A Troubleshooting

A.1 Local DVR Questions

Q1: How to uninstall PowerView?

A1: Go to "Control Panel", "Uninstall Program file" and then choose *PV6* to uninstall PowerView software. Then go to C:\ and delete PV6, *Tape* and *Event* folders manually.

Q2: How to remove the capture card driver?

A2: Go to "Control Panel", "Uninstall Program file" and then choose *PV6* to uninstall the capture card driver.

Q3: Why do some ports of the main screen have no life video image?

A3:

- 1. Make sure all the capture card drivers are installed completed. Is there an exclamation mark or a question mark in the device manager?
- 2. Check that the video analog source from CCD has no problems.
- 3. Select "enable" the *CCD function* under *Camera Setting* in *Setup* function.
- 4. Check that the user has authorization to apply the *Life View* function.
- 5. Make sure the user has installed the VGA driver provided for VGA cards other than supported by the *Windows* default VGA driver.

Q4: Why can't I install the driver properly?

A4:

- 1. Change to a different PCI slot and try again.
- 2. Change to another capture card and try again.
- 3. Reinstall *Windows* and try again.

Q5: When I install PV-2000 or PV-2100 for the first time, how do I register the product?

A5: You can find a registration key for each capture card. The registration key is a set of four groups number, and it should look like 23JU-IS64-W3K3-SSSI (Upper Case sensitive.)

Q6: Can I mix different the PowerView capture card in one computer? A6:

- 1. The PV-600 capture card can be installed with the PV-800 capture card.
- 2. The PV-650 capture card can be installed with the PV-650 capture card.
- 3. The PV-2000 capture card can be installed with the PV-2100 capture card.

Q7: I can burn the record data to DVD+R by using manual backup function, but why can't I read it?

A7: Please make sure your DVD-RW has support read function for DVD+R

Q8: Does *PowerView* support the *Windows* 98 operating system?

A8: PowerView only supports Windows XP Home and Windows XP Pro

Q9: How do I upgrade to the latest version?

A9: Uninstall the current version and install the new version.

Q10: Why can't I play recorded files on other computers?

A10: Please install the codec from the *PowerView Utility CD* on that computer and then use the *Windows Media Player* to play it.

Q11: Can I play the file which is in the "tape" folder?

A11: If you want to play the recording file which is under "tape" folder, use *Video Player* to play it. Refer to the manual.

Q12: How to use "Tape Player"?

A12: When the AP starts up, choose the path of database (extension: db3) for it.

Q13: Can DBRebuilder use on all the PowerView series Capture card?

A13: DBRebuilder has two versions. One is for hardware compression (PV-2000, PV-2100), and another one is for software compression (PV-600, PV-800, PV-650, PV-850)

Q14: If the DVR becomes unstable after running for several months, what could it be?

A14:

- 1. Try to change the HD or other PC parts first, because it usually is a Hardware problem.
- 2. If the problem still occurs, then change the HW, and reinstall the OS first, because a virus may be causing the problem.

Q15: Can you suggest how to setup the Hard Disk partition?

A15: Please give at least 10G for *Windows OS* and *PowerView AP*. And the rest of space is for storage.

Q16: When the Windows pops up the error message: "MiniDump", what does it mean?

A16: It usually happens if hardware or software has problem. Please check your hardware or capture card driver first. If the problem still occurs, please go to C: |PV6|bin| to copy a file (extension is .dmz) and send it to your distributor.

Q17: Why can't I install the PV-650 or the PV-850 driver? **A17**: Please install *DirectX 9.0c*.

A.2 Remote Control Questions

Q18: Why can't I connect to DVR web server function?

A18. Make sure your LAN connection has no problems; try to use the ping command to test (ping) each other's signal. If there is a router between the DVR and the remote computer, make sure the IP and port map is set correctly.

Q19: Why can I connect to the DVR web function from the remote computer, but I cannot get a remote view, a remote setup and a remote playback?

A19:

- 1. Make sure you have accessed using the correct username and password.
- 2. Check to see that the DVR OCX has been downloaded to the remote computer properly. If you have a problem with download-ing ActivieX (OCX), please close the *Windows* default "Fire wall" and try again.

Q20: Why is my username and password correct, but I still can't connect to the live image?

A20: Please make sure the user has installed the VGA driver provided from a VGA card other than using the *Windows* default VGA driver.

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