

Cam Viewer Pro

user's manual

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1. Introduction

The Cam Viewer Pro is a multi-camera video surveillance application that enables you to set up a comprehensive and effective surveillance system quickly and easily. It works with PLANET network cameras and video servers to provide video monitoring, recording and event management functions.

The Cam Viewer Pro is scalable from cameras to up to 64 cameras that can monitors, records, and sets schedule and motion detection at the same time. Images can be streamed to a central computer and stored in a located computer. The motion detection can be applied to individual cameras that intelligent feature lets you save space by recording only when something is happening.

The Cam Viewer Pro is possible with the use of a web browser to remote viewing and playback anywhere in the world. The Cam Viewer controls Pan / Tilt / Zoom cameras and can record images from any sites at any interval, including triggered events from sensor detection and video motion detected by the camera.

Note: The Cam Viewer Pro in the CD-ROM only provide 30-days trial. If you want to use Pro version after trial period. Please consult PLANET local dealer or PLANET sales representative.

Total FPS	~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Duo QX6800	Intel Core 2 Duo E6600	Intel Pentium D 930	Intel P4 3.0 GHz	Intel P4 2.8 GHz
RAM	4 GB	2 GB	2 GB	1 GB	1 GB
Chipset of Motherboard	Intel 946 or 965 chip, Intel Chipset recommended				
VGA Card	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945/965 or above (ATI recommended)				
Ethernet	100 BaseTX or Above, Gigabit LAN recommended				
Hard Disk	160 GB or above				
0.S.	Windows 2000 / XP / 2003				

2. System Requirement

Total FPS: Means all the cameras will spend how many frames when this software works. Suppose there are 10 cameras, each one will work with 30fps, the total fps should be 300fps.

3. Software Installation

1. Insert the bundled Cam Viewer CD disk into the CD-ROM drive to launch the autorun program. Once completed, a welcome menu screen will appear. Click the "Cam Viewer Pro" hyperlink, the below InstallShield Wizard dialog box will appear.

Note: If the welcome screen does not appear, click "Start" at the taskbar. Then, select "Run" and type "D:\Cam Viewer Pro\setup.exe", assume "D" is your CD-ROM drive.

2. Selects the language which you want, Cam Viewer is current including fifteen languages – Chinese (Simplified), Chinese (Traditional), Danish, English, French (Standard), German, Greek, Italian, Japanese, Korean, Portuguese (Brazilian), Portuguese (Standard), Russian, Spanish and Thai. Please select the language and click "Next" to continue.

Planet CamViewer Pro 1.0.0 - InstallShield Wizard	
Choose Setup Language Select the language for the installation from the choices below.	
Chinese (Simplified) Chinese (Traditional) Danish English French (Standard) German Greek Italian Japanese Korean Portuguese (Brazilian) Portuguese (Brazilian) Portuguese (Standard) Russian Spanish Thai	Next > Cancel

3. The "Welcome to the InstallShield Wizard for Planet Cam Viewer Pro 1.0.0" will display on the screen, please click "Next".



4. Please read the license agreement and then check "I accept the terms of the license agreement" if you are agreed and click "Next" to continue.

Planet CamViewer Pro 1.0.0 - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	4
End User License Agreement ("EULA") Do not install or use the software until you have read and accepted all of the license terms. Permission to use the software is conditional upon your agreeing to the license terms. Installation or use of the software by you will be deemed to be acceptance of the license terms. Acceptance will bind you to the license terms in a legally enforceable contract with PLANET TECHNOLOGY CORP. * SOFTWARE LICENSE AND LIMITED WARRANTY This is an agreement between you, the end user, and PLANET TECHNOLOGY CORP. ("Planet"). By using this software, you agree to become bound by the terms of this	<
I accept the terms of the license agreement I do not accept the terms of the license agreement	
InstallShield Canc	el

5. Please key-in user name and company name for which you want and click "Next" to continue.

Planet CamViewer Pro 1.0.0 - InstallShield Wizard	
Customer Information Please enter your information.	
Please enter your name and the name of the company for which you work.	
<u>U</u> ser Name:	
Enm	
<u>C</u> ompany Name:	
PLANET	
InstallShield <u>Rext ></u>	Cancel

6. Check the option "Complete – all program features will be installed (Requires the most disk space)" and click "Next".

Planet CamVie	wer Pro 1.0.0 - InstallShield Wizard 🛛 🛛 🔀
Setup Type Select the setup type to install.	
Please select	a setup type.
	All program features will be installed. (Requires the most disk space.)
Custom	Select which program features you want installed. Recommended for advanced users.
InstallShield ———	< <u>B</u> ack <u>N</u> ext > Cancel

7. "Ready to Install the Program" will appear to prompt you to start the installation. Please click "Install" to start.

Planet CamViewer Pro 1.0.0 - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
Install5hield <u>American Cancel</u> Cancel)

8. You may click "No" to finish the Cam Viewer installation or click "Yes" to install the additional utility - MBM5.

Note: When Cam Viewer works with MBM5 (Motherboard Monitor 5), Cam Viewer will display CPU temperature and fan speed. Please click "No" if you don't need this function and the Cam Viewer installation will be finished. When you click "Yes", please refer to below steps to start the MBM5 installation.



9. The "Welcome to the Motherboard Monitor 5 Setup Wizard" will display on the screen and click "Next".



10. Please read the license agreement and then check "I accept the agreement" if you are agreed and click "Next" to continue.

률 Setup - Motherboard Monitor 5
License Agreement Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
This is a legal agreement ("Agreement") between you (either an individual or an entity), the end user ("Recipient"), and Alexander van Kaam.
BY INSTALLING, COPYING OR OTHERWISE USING THE PRODUCT (AS DEFINED BELOW), YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, DO NOT INSTALL, COPY OR USE THE PRODUCT.
 I accept the agreement I do not accept the agreement
< <u>B</u> ack <u>N</u> ext > Cancel

11. Please read the following important information before continuing and click "Next" to continue.

🕞 Setup - Motherboard Monitor 5		
Information Please read the following important inf	formation before continuing.	
When you are ready to continue with	Setup, click Next.	
MBM 5.3.7.0		
MBM 5 Core EXE MBM 5 Core DLL	: 5.3.7.0 : 5.3.7.0	
MBM 5 Settings DLL MBM 5 Dashboard DLL	: 5.3.7.0 : 5.3.5.0	
MBM 5 Ras DLL MBM 5 Logger DLL	: 5.0.0.0 : 5.0.0.0 : 5.3.4.0	
MBM 5 Mail, FTP and UDP DL MBM 5 OSD DLL MBM 5 ACPL DL	L : 5.3.4.0 : 5.0.0.3	~
		ext > Lancel

12. Please click "Next" to continue installation.

🔂 Setup - Motherboard Monitor 5	
Languages MBM 5 and non-english languages	
MBM 5 supports many languages, to keep the initial download smaller only the E language file is included. If you wish to run MBM 5 in your native languages then please go to http://mbm.livewiredev.com/ and check out the MBM 5 download section.	nglish
If your native language is not yet supported then you can always contact mbm@livewiredev.com for information on how to add your language to MBM 5	
< <u>B</u> ack Next>	Cancel

13. Please click "Next" to install with original settings, or you may click "Browse..." button to assign an install folder then press "Next".

🕞 Setup - Motherboard Monitor 5
Select Destination Location Where should Motherboard Monitor 5 be installed?
Setup will install Motherboard Monitor 5 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Motherboard Monitor 5 B_owse
At least 3.8 MB of free disk space is required.
< <u>B</u> ack <u>N</u> ext > Cancel

14. Please click "Next" to install with original settings, or you may click "Browse..." button to rename the program's shortcut of Start Menu then press "Next".

😰 Setup - Motherboard Monitor 5
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder. To continue, click Next. If you would like to select a different folder, click Browse.
MBM 5
< <u>B</u> ack <u>N</u> ext > Cancel

15. Please select "Replace the icons 10 seconds after MBM5 started" and click "Next" to continue

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installation.

🕼 Setup - Motherboard Monitor 5			
Windows XP Keeping the icons visible in the tray			
Windows XP has a "feature" that will hide certain icons. This "feature" can result in the MBM 5 icons not showing up in your tray when you set MBM to start with Windows XP.			
There is a possible solutions for this by making MBM 5 replace the icons in the system tray 10 seconds after they first appear. This might trick Windows XP into believing they are active icons. You can select to do this here or you can do this later via the tray tab in MBM 5			
Please select your option:			
Replace the icons 10 seconds after MBM 5 started			
Let me handle it myself via the MBM 5 settings / Tray_OSD tab			
< <u>B</u> ack Next > Cancel			

16. Please click "Next" to continue installation.

🔞 Setup - Motherboard Monitor 5			
Windows NT/2000/XP Install the MBM ID Driver 32Bit			
You are Running Windows NT/2000/XP and the required MBM ID system driver has not been detected. The install program will now install this driver. The recommended settings for this driver are listed below. If for some reason the recommended settings do not work properly on your system, you can always change it later in the Non Plug and Play section of the control panel (Win2000/XP) or you can select to re-install the driver with this same installer. Recommended: Windows NT/2000 : Automatic			
System V			
< <u>B</u> ack <u>N</u> ext > Cancel			

17. According to your motherboard to select correct option and click "Next" to continue.

🕞 Setup - Motherboard Monitor 5	
Extra scanning Enable 2E and 4E port scanning	
The installer has detected that this is the 1s On your Motherboard are 2 special address not scan these unless you enabled this on t (older) boards would lockup when scanning As there are more and more newer boards o becoming more popular to place a sensor of here) Do you want to do this ? O Yes, enable it for me O No, I will enable it myself if I need it No, my board is in the blacklist	t time you installed MBM 5 in this directory. es numbered \$2E and \$4E, MBM 5 does he advanced tab, this is because some , on the market these 2 addresses are hip (many intel boards have a fan sensor Blacklist Elite (ECS) - K7S5A
	< <u>B</u> ack <u>Next</u> Cancel

18. When "Ready to Install the Program" will display on the screen and click "Install" to continue.

🕫 Setup - Motherboard Monitor 5	
Ready to Install Setup is now ready to begin installing Motherboard Monitor 5 on your computer.	
Click Install to continue with the installation, or click Back if you want to review o change any settings.	r
Destination location: C:\Program Files\Motherboard Monitor 5	<u> </u>
Start Menu folder: MBM 5	
Extra Settings:	
Icons: Replace the Icons 10 seconds after MBM 5 started Re-install MBM IO: Yes Install MBM IO: System	
	<u>_</u>
< <u>B</u> ack Install	Cancel

19. The "Welcome to the Motherboard Monitor Configuration Wizard" will display on the screen, please click "Next" to continue.



20. The "Motherboard Monitor Configuration Wizard" will display on the screen, please click "Update" to update data. Before update, please make sure your PC is connected to Internet already.

MBM Configuration Wizard				
E	Motherboard Monitor Configuration Wizard The MBM 5 settings file is dated: 18-jun-2004 08:41:37 The voltage.ini file is dated: 18-Jun-2004 08:41:37 You can update this information if it's to old by pressing the update button below, if you do this then make sure you have an active internet connection. If needed set your proxy settings.			
	🔲 Use Proxy:	Authentication:		
	Host:	Username:		
>	Port: 1080	Password:		
		v		
	Update	Next Cancel		

21. Wait a moment, after the program update finish, please click "Next" to continue.

MBM Configuration Wizard				
AD.	Motherboard Monitor Configuration Wizard			
	The MBM 5 settings file is dated: 09-sep-2004 09:33:19 The voltage.ini file is dated: 09-Sep-2004 09:33:00			
	You can update this information if it's to old by pressing the update button below, if you do this then make sure you have an active internet connection. If needed set your proxy settings.			
	🔲 Use Proxy:	Authentication:		
	Host:	Username:		
	Port: 1080	Password:		
	Getting MBM 5 Voltages Finished http://users.pandora.be/ovan/			
Update Next Cancel				

22. Please select your motherboard vendor and model name, then click "Next" to continue

MBM Configuration Wizard				
B	Motherboard Monitor Configuration Wizard From the list below select your board and revision and press Next to let the wizard setup MBM for you.			
	 Abit Acceletech Acorp Albatron Albatron			
	Next Cancel			

23. Please select temperature format and click "Next" to continue.



24. Please click "Finish" to end the motherboard monitor configuration wizard.



25. Please click "Yes" to restart your computer.



Note: Before open the Cam Viewer Pro, please insert USB dongle in the computer first.

To start the Cam Viewer Pro that click on Start > All Program > Planet CamViewer Pro > Main Console

	🔏 Windows Messenger	🛛 🛃 Backup System		
Windows Messenger	🚳 🛛 Windows Movie Maker	DBTools		
🥴 Tour Windows XP	🛅 Administrative Tools	Main Console		
🕺 Files and Settings Tra	🛅 DU Meter	🕨 💽 Playback System		
	🛅 Ethereal	🕨 📳 Remote Live Viewer		
	🛅 NetIQ Chariot	Remote Playback Server		
All Programs 🜔	💼 Planet CamViewer Pro	🕨 🥑 Uninstall CamViwer Pro		
Log Off 🔟 Turn Off Computer				
🛃 start 🧔 🚳				

Enter the password you like into the edit box and enter again at the edit of Password Confirm. And then press "OK".

First Execution of Ma	in Console System	×
PL		
Please enter pass	word for administrator	
User Account:	admin	
Password:		
Password Confirm:		
	V OK X Cancel	

4. Main Console



This is the main operation system - to activate, schedule recording, setup smart guard and configure system setting.

EXIT: Shut down the Surveillance System or log out current user.

MINIMIZE: Minimize the Main Console window.

SCREEN DIVISION: Allocate the sub-screen display by clicking on the desired layout icon. To switch to single camera display, double click on a particular sub-screen. Double click on the screen again to regain previous screen division layout.



START: Click on the Start icon and select from the drop down menu to activate/ deactivate: (a) Recording Schedule System, (b) Smart Guard System, or (c) Counting Application. Select Start/Stop Monitor All to activate/ deactivate all the functions at once.

You may also enable secondary display, open event report, and lock the system here.

Note: When activating any of the monitor functions, system considers the current screen status as normal. Therefore, if you want to, for example, detect Missing Object, be sure the object needed to be protected is in its position at the moment you click Start button.

PLAYBACK: Click on the icon to get Playback Console. You can watch recorded video, search recorded video, adjust image of the stored data, save video/ pictures, print images, check log information and event records, and set up recording function configuration.

SCHEDULE: Organize recording time schedule and setup recorder configuration.

GUARD: Add/Edit type(s) of events that you want to detect; setup reaction(s) responding to events.

CONFIG: Select from the drop down menu to modify general setting, save/ load configuration settings, start counting application, access log viewer and backup files, or setup network services.



Information Window: Display date, time, free HD space, CPU temperature, fan speed, and customized text. To customize Information about window's setting, go to Config > General Setting > General

PTZ Camera Control: Control the movement of PTZ cameras. With cameras that support PTZ control, you can move, zoom, patrol, adjust the focus, and set preset points of the cameras.

Preset/ Go: Adjust the camera view until you are satisfied. Click on the Set icon and set up the view as the preset point 01. Adjust the camera view again and set up the preset point 02. Repeat the process until finish setting up all preset points. You can enter any names you like to instead of the preset point 01, preset point 02, preset point 03. Click on the Go icon and view the result of your setting.

Zoom: Click on the "+" or "-" signs to zoom in and zoom out the view.

Focus: You can select to have the camera focused near or far. To focus near means objects that are closer will be clearer than the objects that are further away. On contrast, to focus far means objects that are further will be clearer than the objects that are closer.

Click on the Focus icon and select auto focus if you want the system to decide the focus point for you.

Patrol: Go to Patrol > Set Patrol to obtain the Patrol Setup dialog. From the left window, select the cameras that you would like to have in the patrol group. Align the cameras in order in the right window and adjust the time. Rename the group name if you want. After completing the setup, check the Active option, and then click OK.

You can setup up to four groups of auto patrol. To start or stop, click on the Patrol icon in the Main Console, and select Start Patrol or Stop Patrol.

Patrol Setup			×
 Preset01 Preset02 Preset03 Preset04 Preset05 Preset06 Preset07 Preset08 Preset09 Preset10 Preset11 Preset12 Preset13 Preset13 Preset15 Preset16 	>	Group 1 Group 2 Group 3 Group 4 Group Name : Group 1 Period:5 Sec Active ^ V	
✓ OK X Cancel			

5. Configuration



Modify the setting and access counting application, log viewer, backup, and network services. Click on the Config icon, select from the drop-down menu and open the Configuration panel.

5.1 Setting – General

Startup	🎂 Setting	🖕 Setting 🛛 🔀		
	General Camera VO Device PTZ Confi Startup	3 Hotline User Account Address Book Mc	Status Display	
	Schedule Recording System Smart Guard System Counting Application	C:\Program Files\SCB_MP	 ✓ Current Time ✓ Free Disk Space ✓ CPU Temperature 	
DDNS Service	Live Streaming Server Remote Playback Server 3GPP Server Auto Login	Automatic Recycle Recycle Range 6 hours 🗨	 Celsius Degree C Fahrenheit Degree I CPU Fan Speed ☐ User Defined Text 1 	
	User Account: admin Password: Panel Resolution Auto Fit	Image: First Constraint of the set of	User Defined Text 2	
Automatically Popup	DDNS Service Miscellanies T Automatically popup event report	Audio Preview Default Channel (Not Used) Preview Active Channel Volume	Auto Reboot Enable Auto Reboot Every Dev V at 12:00 AM V	
			V OK X Cancel	

Startup

Check the box and activate the functions as the system starts. You may start/stop the function in Monitor panel on the Main Console.

Panel Resolution: Set up the resolution of the control panel. You may select Auto Fit to have the system choose the best one for you.

DDNS Service: Dynamic Domain Name Server (DDNS) function allows you to use Live View or Web View to connect to the Main Console through Internet event if you have a dynamic IP address

Click on the DDNS button to obtain the Dynamic DNS Setup panel. Set up the DDNS function by selecting the provider type, filling in user name, password and hostname, and adjusting the update period.

Automatically Popup Event Report

Event report dialog automatically popup when events been detected. Make sure to stop Smart Guard System before you modify the setting, otherwise the modification will not take place.

Dynamic DNS Setu	φ (\mathbf{X}
🔽 Enable DDN	S	
Provider	DtDNS	
User name		
Password		
Host name		
Update period	16 minutes	
 Image: A start of the start of	OK X Cancel	_

🖕 Setting		$\overline{\mathbf{X}}$	
General Camera 1/O Device PTZ Confi	g Hotline User Account Address Book M	onitor Display	01
Startup Main Console	Storage	status Display I⊄ Current Date	Location
Schedule Recording System Smart Guard System	C:\Program Files\SCB_MP	 ✓ Current Time ✓ Free Disk Space 	
Counting Application		I CPU Temperature I Celsius Degree	Automatic Recycle
Remote Playback Server GPP Server	Automatic Recycle Recycle Range 6 hours	C Fahrenmeit Degree	
User Account: admin	✓ Keep Video 7 days ✓ Keep EventLog 7 days	User Defined Text 1	Keep Video
Password:	I Keep System Log 14 days	User Defined Text 2	
DDNS Service	Audio Preview	Auto Reboot	Keep Event Log
Miscellanies	Default Channel (Not Used)	Enable Auto Reboot	
Automatically popup event report	Volume	at 12:00.AM	Keep System Log
		V OK X Cancel	Keep Counting Log

Storage

Location: Assign the default folder for the system to store all data files.

Automatic Recycle: The system will automatically delete out-dated data to save storage space.

Keep Video: Delete the video records that are older than the number of days set.

Keep Event Log: Delete the event log data that is older than the number of days set.

Keep System Log: Delete the system log data that is older than the number of days set.

Keep Counting Log: Delete the counting application data that is older than the number of days set.

🕹 Setting		X	
General Camera VO Device PTZ Config	Hotline User Account Address Book Mo	onitor Display	
Startup Main Console Schedule Recording System Smart Guard System Counting Application Live Streaming Server Remote Playback Server 3GPP Server Auto Login User Account. admin Password:	Storage Location C:\Program Files\SCB_MP C:\Program Files\SCB_MP Automatic Recycle Recycle Range 6 hours Keep Video 7 days Keep Event Log 7 days Keep Event Log 7 days Keep Event Log 14 days	Status Display Current Date Current Time Free Disk Space CPU Temperature Celsius Degree CPU Fan Speed CPU Fan Speed User Defined Text 1	Status Display
Panel Resolution Auto Fit DDNS Service Miscellanies Automatically popup event report	Keep Counting Log 90 days Audio Preview Default Channel (Not Used) Preview Active Channel Volume	Auto Reboot Enable Auto Reboot Every @ay at 12:00 AM Y OK X Cancel	Auto Reboot

Audio Preview

Default Channel: Select the audio channel that you wish to hear from in "Default Channel.

Preview Active Channel: Check the "Preview Active Channel" option to hear the audio from selected video channel on Main Console. The default channel plays if the video channel isn't selected.



System plays the audio of default channel



System plays the audio of left-top selected channel

Volume: Adjust the volume with the "volume bar."

Status Display

Check the boxes of the information that you wish to see in the information display window in the Main Console.

Auto Reboot

Check the option of "Enable Auto Reboot " that you can reboot the system on the time you select.



Step 1: Check the option of "Enable Auto Reboot". Step 2: Select the time you want to reboot.



5.2 Setting - Camera

Search	US Setting
Insert	Search Inzert Delete Config □ B CAM01 Main Gate □ B CAM03 Pool □ B CAM04 Room A □ B CAM05 Fool □ B CAM05 Room A □ B CAM05 Room A □ B CAM05 Room A
Delete	
Config	Camera Parameter Driveway Camera Setting Camera Settings Video Parameter Video Parameter Video Parameter Video Parameter Vistor Camera Number Vistor Camera Number Vis
	✓ OK X Cancel

5.2.1 Add Camera

Four function buttons will be included in the Setting/Camera panel

Search: Click on the Search icon to obtain the Search IP Camera panel. The system will start scanning automatically once the panel is opened; feel free to stop scanning by clicking on the Stop Scan button.

s	earch IP Cameras						×
	IP Camera Search Cor	mpleted			Start	Scan]
	IP	Vendor	Model	MAC			1
	☐ 192.168.0.180 ☐ 192.168.0.190	PLANET PLANET	108 110	00-30-4f-(00-30-4f-(01-02-03 df-38-b8		
	IP Camera Option						
	Camera Name: 🛛						
	User Name:						
	Password:						
				✓ 0k	×	Cancel]

Fill in the user name and password for each IP camera found and click OK to add it to the camera list.

Insert: Click on the Insert icon to obtain the IP/Video Server Setting panel and add IP cameras to the list.

IP Camera / Video	Server Setting	X
Network		
Name:	ICA-108W	
IP Address:	192 . 168 . 0 . 110	I Use DNS
Http Port:	80	
User Name:	admin	
Password:		
Protocol:	O TOP . UDP O HTTP	
Device		
Vendor:	PLANET .	Auto Detect
Camera Model:	ICA-108W	
Camera:	⊠ 1 □ 2 □ 3 □ 4	
	□ 5 □ 6 □ 7 □ 8	
Description Video Codec:M Audio Codec:N Camera:1, DI:0	PEG4 one , DO:0	
	🖊 OK 🗶 Cancel	

Delete: Click on the delete button to remove the selected IP camera(s) from the system. Click OK to finalize the modification.

Config: Click on the Config button to obtain the IP/Video Server Setting panel. You can modify the IP camera settings with the Setting panel.

5.2.2 Camera Parameter



Camera List: The camera(s) connected to the system will show on the panel, click the name of the camera to adjust the setting.

Camera Name: Name the camera for your convenience.

Go to Web Interface: Go to Website interface to configure the camera setting (option).

Camera Settings: Set the camera parameter such as resolution, quality and frame rate.

Video Parameter: Adjusts the video's brightness, contrast, saturation, and color hue values.

OSD Setting: Select the information that you wish to see in the on-screen display, or the sub-screen of the camera.

5.2.3 IP Camera / Video Server Setting panel

ŀ	Camera / Video	Server Setting	J
	Network		
	Name:	ICA-108W	
	IP Address:	192 . 168 . 0 . 110 🗖 Use DNS	
	Http Port:	80	
	User Name:	admin	
	Password:		
	Protocol:	CITCP OUDP CIHTTP	
	-Device		
	Vendor:	PLANET Auto Detect	
	Camera Model:	ICA-108W	
	Camera:	▼1 □ 2 □ 3 □ 4	
	Description Video Codec:Mi Audio Codec:No Camera:1, DI:0,	PEG4 ine DO:0	
	•	🖌 OK 🗶 Cancel	

Network: Fill up the Network field (including Name, IP Address, Http Port, User Name, Password and Protocol) referring to the instruction provided by the camera manufacturer. Check "Use DNS" to use domain name instead of IP address.

Device: Choose the IP camera manufacturer from the drop-down menu. Click on "Auto Detect" and the model name will show in the box.

Description: Show information of the IP camera.

- I/O Device : Module:	Setting	_	Add	Digital in Name [.]	put/output pins of	selected I/O module	-
Device: COM Port: ID:	SCB-IOB0404 COM1		Modify Remove	Pin DIO DOO	Name Input 0 Output 0	Signal Type N/O N/O	
Module	Device IP Camera	ID					
Digital Inp	ut Monitor				Duput Simulation		

5.3 Setting - I/O Device

Module Setting: Name the module device and ID that has been connecting the digital input/output device(s) to your system.

Device: This column displays the device(s) already installed to the system.

ID: Select the number of the I/O port to which you plug the ribbon cable.

Input Monitor: The device(s) is turned on if the dot is in red. By triggering the digital input device, the related icon will light up. This is used to check if the device is correctly connected or not.

Output Monitor: The device(s) is turned on if the dot is in red. By clicking on the icon, you may trigger the digital device connecting to the system. This can be used to test if the output device is correctly connected.

Device Setting

Name: Insert the name of the device (input and output).

Type: Select the device type from the drop-down menu.

N/O: Normal Open.

N/C: Normal Close.

5.4 Setting - PTZ Config



Install PTZ cameras following the instruction of the camera manufacturers. A PTZ camera is usually connected to the PC with RS-485.

Check the box on the camera list to activate the PTZ control function of a PTZ camera.

Basic Setting: Select the camera model, com port, baud rate, and address according to your PTZ camera.

Advanced Setting: You may setup the pan speed and tilt speed. Adjust the settings by dragging the bars.

5.5 Setting – Hotline

SMTP Server:	Enter your SMPT here	Modem: Agere Systems AC'97 Modem
E-Mail Sender:	Enter your e-mail sender here	Wave File:
-Mail Subject:		Automatic hangup after 30 sec
Body Content:		Make Test Phone Call
		Phone Number:
	2	Dial Hang Up
SMTP server i	needs authentication	
User Accou	nt	
Password:		
	Send Test Mail	

Configure the settings of hotlines, including E-mail and telephone calls, once an unusual event is detected.

E-mail: Input the following information: server, sender's E-mail address, E-mail's subject title, and body content. You may click on the Send Test Mail button to test the settings.

Telephone: Select the modem that the system is going to dial the info call with, and then insert the phone number. (A modem is required for voice transition.)

Note:

1. You must use a modem with voice capability.

2. You may select a Wave format file; it will be played in the phone to alarm the person who picks up the phone call.

5.6 Setting - User Account

User Account Se	etting					_
Name:			Name admin	Group Admin	Description Administrator	1
Group:	User					
Description:						
Password:						
Password Con	firm:					
Disable Use	er Account					
Main System	m		÷			
Execute Execute	e Main System					
Smart 0	Guard Start and Stop	=				
Schedu	le Setting Guard Setting					
PTZ Co System	ntrol Setting					
Countin	g Application					
Remote	e Playback Server					
Playback		×				
bbA	Delete	date	10.00			
700	Delete Db					

User Account: The administrator may manage the user accounts here. From the list on the right, highlight each account and modify the privilege setting.

Name: Enter the user's new account here which you want.

Group: Distribute user in Admin or User group.

Password: Enter the user's new password here.

Password Confirm: enter the user's new password here again to confirm.

Disable User Account: Choose this to disable user account.

5.7 Setting - Address Book

ease input the nam	ne and contact info	ormation					
Name: Michael		Phone: 555-112312	5	E-Mail: mike	@hotline.com	ı	
Description:	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -						
			Add	Clear	Modify	F	Remove
Name	Phone	E-Mail	1	Description			
Michael	555-1123125	5 mike@hotline.co	m				
👕 Michael	555-1123125	5 mike@hotline.co	m				
👕 Michael	555-1123125	5 mike@hotline.co	m				
Tichael	555-1123125	5 mike@hotline.co	m				
T Michael	555-1123125	5 mike@hotline.co	m				
T Michael	555-1123125	5 mike@hotline.co	m				
Tichael	555-1123125	5 mike@hotline.co	m				
Michael	555-1123125	5 mike@hotline.co	m				

Address Book: Manage the address book from which you may send out a phone call or an E-mail when an unusual event is detected.

5.8 Setting – Monitor Display



Playback Option: Execute Playback on the secondary monitor by checking the box. Make sure to adjust the display setting of your computer in advance to avoid system error.

Cameras List: The left side displays a list of all cameras; modify the cameras shown on primary/ secondary monitor in the right window.

Auto Scan: Activate auto scan to rotate the channels/ cameras on the display screen.

For instance, you may select to show only 4 sub-screens on the main console while having 16 channels connected to the system. With auto scan function, you will be able to see all 16 channels by turns. You can set up a primary channel that will always be on the screen and a secondary channel that has secondary priority.

Layout: Choose the number of divisions for NxN division on the Main Console screen.
5.9 Save/ Load Configuration



The Save/ Load Configuration function allows system users to save any specific setting as a cfg (Config) file. You may save up several different cfg files at any time.

Save Configuration: To save a specific setting, go to Config > Save/ Load Configuration > Save. In the popup window, type in the file name and then save it as a cfg file.

Load Configuration: To load a specific setting, go to Config > Save/ Load Configuration > Load. In the popup window, go to the directory that you saved the cfg files at, select any one of them and then click OK to load the file. Main Console will be automatically shutdown after loading a new configuration. Please re-start Main Console manually.

Note: MainConsole will be automatically shutdown after loading a new configuration. Please re-start MainConsole manually.

5.10 Counting Application



Step 1: Check the box of the camera to apply the Counting Application to it.

Step 2: In Operation section, check the option "Define detection zones" and drag the cursor to draw Region 1 and Region 2 on the Video Preview.

Step 3: In Operation section, check the option "Define object size" and drag the cursor to define the object size on the Video Preview. Objects that are about the size be counted while going across these two regions.

Options: 1Way Counting will take objects going from Region 1 to Region 2 as one count. In 2Way Counting mode, it counts either going from Region 1 to Region 2 or from Region 2 to Region 1.

Runtime: Check the boxes to show the counting result on the screen and/ or show object bounding box, which draws the shape of the object that the system detects in red squares. You can choose from the drop-down menu of how long you want to reset the counting number.

Start Simulation: Click to test the setting.

5.11 Log Viewer

5.11.1 Log Viewer – Unusual Event



Unusual Event: View the history of unusual event that had been detected by the Smart Guard System.

Step 1: Choose the type of event you want to check or select "All" from the drop-down menu for all types of events.

Step 2: Select the camera you want to check the event(s) from or select "All" for all available channels.

Step 3: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date.

You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 4: Click Search.

5.11.2 Log Viewer – System Log



System Log: You can choose the log type from the drop-down menu, following is a complete list of all log types:

- 1. Main Console Startup
- 2. Main Console Shutdown
- 3. User Login
- 4. User Login Failed
- 5. Start Schedule
- 6. Stop Schedule
- 7. Execute Recycle
- 8. Execute Backup
- 9. Enable Channel
- 10. Disable Channel
- 11. Start Smart Guard

- 12. Stop Smart Guard
- 13. Modify Smart Guard
- 14. Modify Schedule
- 15. Modify Configuration
- 16. Start Live Streaming Server
- 17. Stop Live Streaming Server
- 18. Modify Live Streaming Server
- 19. Start Remote Playback Server
- 20. Stop Remote Playback Server
- 21. Modify Remote Playback Server
- 22. IP Camera Connection Lost

Step 1: Choose the type of event you want to check or select "All" from the drop-down menu for all types of events.

Step 2: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date. You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 3: Click Search.

5.11.3 Log Viewer - Counting Application

Counting Application: Display the history of Counting Application during a given time period.

🔎 Log Viewer				<u>- 0 ×</u>
Unusual Event System	Log Counter Application	Counter Application (Diagram)	
Channel: All Date: 2005/1 Date&Time: 2005/1	▼ Nov/10 ▼ ↓ Nov/21 01:35 PM ▼ ↓ to	2005/Nov/21 01:35	PM × *	Search
Event Time	Device	In	Out	
2005/11/10 02:00:00	CAMERA 1	0	0	
2005/11/10 03:00:00	CAMERA 1	Ō	ō	
2005/11/10 04:00:00	CAMERA 1	0	0	
2005/11/10 05:00:00	CAMERA 1	Ō	Ō	
2005/11/10 06:00:00	CAMERA 1	0	0	
2005/11/10 07:00:00	CAMERA 1	0	0	
2005/11/10 08:00:00	CAMERA 1	0	0	
2005/11/10 09:00:00	CAMERA 1	5	2	
2005/11/10 10:00:00	CAMERA 1	10	4	
2005/11/10 11:00:00	CAMERA 1	17	13	
2005/11/10 12:00:00	CAMERA 1	8	9	
2005/11/10 13:00:00	CAMERA 1	5	21	
2005/11/10 14:00:00	CAMERA 1	9	9	
2005/11/10 15:00:00	CAMERA 1	7	16	
2005/11/10 16:00:00	CAMERA 1	11	6	
2005/11/10 17:00:00	CAMERA 1	7	10	
2005/11/10 18:00:00	CAMERA 1	3	13	
2005/11/10 19:00:00	CAMERA 1	2	14	
2005/11/10 20:00:00	CAMERA 1	1	2	
2005/11/10 09:00:00	CAMERA 1	0	0	
2005/11/10 10:00:00	CAMERA 1	0	0	
2005/11/10 11:00:00	CAMERA 1	0	0	

Step 1: Select the channel you want to check or select "All" from the drop-down menu for all channels.

Step 2: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date. You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 3: Click Search.

5.11.4 Log Viewer - Counting Application (Diagram)

Counting Application (Diagram): Display the Counting Application data in diagram format.



Step 1: Select the channel you want to check or select "All" from the drop-down menu for all channels.

Step 2: From the drop-down menu, set up how you would like the diagram to be displayed. You have the options of one day, one month, or one year.

Step 3: Select a specific date to make it the start point of the diagram.

Step 4: Click Search.

5.12 Backup 5.12.1 Backup

The backup function saves video record and other log information. User may open backup files on any PC with Windows Operation System and operate the full function Playback panel on it. Follow the instructions below to obtain backup files.

Step 1: Click on "New Period" to obtain the Select DateTime Period panel.



Step 2: From the record date section, select the date you want to backup from. You will see color lines appear in the time table implying available data recorded. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.



Step 3: Select the data you want to backup by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.



Step 7: Click the Backup icon to see the size of the file.

Step 8: Choose the path you want to save the file or burn the file into a CD (direct CD burning for Windows XP only).

Step 9: Select the log information you would like to backup (Event Log, System Log and/or Counter Log) and then click OK.



5.12.2 Delete Recorded Information from the System

Backup System Backup Help New Period Remove Period Backup Noelete Start Date Time End Date Time Camera(s) Size

Step 1: Click on "New Period" to obtain the Select Date Time Period panel.

Step 2: From the record date section, select the date you want to delete the file from. You will see color lines appear in the time table implying available data. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

Step 3: Select the data you want to delete by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.



Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.

	Select DateTime Period		
	Record Date Date 2006/09/01	Date Time Period Video Period Start Time: 2009/ 8/ 1 () 13/23/38 () Period End Time: 2009/ 8/ 1 () 15/23/38 () Period Select Camera(s) 115 12/22 32/48	rw Preview
ep 4		X1 V2 X3 X4 X5 X6 X7 X8	
ep 4		X 1 V 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16	
ер 4		X 1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All 2000	6/08/01 14:09:53
ep 4		X 1 7 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All	6/08/01 14 09:53
	1 0 1 T Camera 1	X 1 V 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All 0 3 10 11 X 12 X 14 X 15 X 16 2 3 4 5 6 7 6 3 19 11 12 13	6/08/01 14 09:53
ep 6	Camera 1 Camera 2	X 1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All Deselect All 2000	608/01 14 09 53
ер 4 ер 6	Camera 1 Camera 2 Camera 2	X 1 7 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 15 Select All Deselect All	608/01 14 09 53
ер 4	Camera 1 Camera 1 Camera 2 Camera 4	X 1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All 000 2000	608/01 14 09 53
ep 4	Camera 1 Camera 2 Camera 4 Camera 5	X 1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All 000 000	508/01 14 09 53
ер 4	Camera 1 Camera 2 Camera 2 Camera 4 Camera 5 Camera 6	X 1 7 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 15 Select All Deselect All	60000 1 14 09 53
ep 4	Camera 1 Camera 2 Camera 2 Camera 4 Camera 5 Camera 5 Camera 6 Camera 7	X 1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X 11 X 12 X 13 X 14 X 15 X 16 Select All Deselect All Deselect All 000	608/01 14 09:53

Step 7: Click on the "Delete" icon and delete the data. *Note:* the deleted video cannot be recovered.

	Backup System				
	Backup Help				
Step 7	New Period Remove Period Backup X Delete				
	Start Date Time End Date Time	Camera(s)	Size		
	▶ 2005/10/28 上午 11:20:10 2005/10/28 上午 11:21:5	52 1,2,3,4	1,429KB		

5.13 Network Service



There are 3 types of network services: live streaming server, remote playback server, and 3GPP service. From the Main Console, go to Config > Network Service to obtain the Network Service panel.

5.13.1 Live Streaming Server

When starting the live streaming function of your computer, you allow remote users to log on to the specific computer and view cameras that are connected to it. As system administrator, you are able to monitor these accounts in order to maintain the system efficiency.

Main

On Live Streaming Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.



Start: By starting the system, you turn the computer into a live streaming server; thus allow remote users to log on to the system.

Kill Client: Highlight an IP address and click on the "Kill Client" button to block a client from your system.

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

Stop: Stop broadcasting live stream video.

Options: You may only adjust the setting when the server is stopped.

Port: Assign a port for the clients to connect to your system to the network.

Maximum Connections: Number of connections that are allowed to connect to your system. One camera video counts as one connection.

Use Default Web Server: Activate the Web server by checking the box; clients will be able to watch live video via Internet Explorer. The port for live streaming server is set to 80 by default. (*must check this item for system access via IE)

Save Log: Save the log information at appoint folder.

Use Original Video for Mega-Pixel IP Camera: Check this box for original Mega-Pixel resolution; otherwise, the resolution will be compressed for better transmitting quality purpose.

Black/ White List



White List: Check the "Enable White List" box to activate the white list filter. Only IP from the white list is allowed to log in.

Black List: Check the "Enable Black List" box to activate the black list filter. IP from the black list will be blocked.

IP Address: Enter an IP address into the IP address field on the left. To add an IP address range to the system, enter 2 sets of IP address to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

Apply to All Playback Servers: To apply the setting to both live streaming server and remote playback server.

Performance



Live Streaming Server log information

5.13.2 Remote Playback Server

When starting the remote playback function of your computer, you allow remote users to log on to the specific computer and withdraw data files that are stored on it. As system administrator, you are able to monitor the accounts that log on in order to maintain the system efficiency.

Main

On Remote Playback Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.



Start: By starting the system, you turn the computer into a remote playback server; thus allow remote users to access the system.

Kill Client: Highlight an IP address and click on the "Kill Client" button to block a client from your system.

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

Stop: Stop broadcasting playback video.

	letwork Service
Port	Main Black / White List Performance Live User Count 0 Kill Client Kill All Clients Streaming IP User Bitrate (Kbps) Remote Playback 3GPP Service Service Service
Maximum Users	Server Status: Stopped Start Stop Options Port: 5160 Default Maximum Users: 8 Use Default Web Server Port: 80 Save Log RemotePlayback.log
Save Log	V OK X Cancel

Port: Assign a port for the remote playback server to connect to your system to the network.

Maximum Connections: Number of connections that are allowed to connect to the Remote Playback Server. One camera video counts as one connection.

Save Log: Save the log information at appoint folder.



Black/ White List

White List: Check the "Enable White List" box to activate the white list filter. Only IP from the white list is allowed to log in.

Black List: Check the "Enable Black List" box to activate the black list filter. IP from the black list will be blocked.

IP Address: Enter an IP address into the IP field on the left. To add an IP range to the system, enter 2 sets of IP to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

Apply to All Playback Servers: To apply the setting to both live streaming server and remote playback server.

Performance



5.13.3 3GPP Service

When starting the 3GPP service function of your computer, you allow remote users to log on the 3GPP supported mobile phone and view cameras that are connected to it.



Start: By starting the system, you turn the computer into a remote playback server; thus allow remote users to access the system.

Stop: Stop broadcasting playback video.

Options: You may only adjust the setting when the server is stopped.

Port: Assign a port for the clients to connect to your system to the network.

5.14 About Main Console

Go to About Main Console to view the version of your surveillance system and the hardware information.



6. Playback



Watch the recorded video, view and/or search for unusual events and recorded system information.

Minimize: Minimize the Playback console.

Exit: Shut down the Playback console.

Scroll Bar: Indicate the status of the playing video; drag it to where you want to review.

Control: Play, pause and stop the video.

Cue: When playing video, click on the Cue In/ Cue Out icon at where you want to set as the starting/ ending point of a saved video clip. The Cue In and Cue Out time will be displayed on the Playback Information Window once they are set.

Speed: Control the speed of the playing video. Click + to speed up and – to speed down.

Zoom: Zoom in and zoom out. Get a close up view of the recorded video; move to the spot you want to view by dragging the screen.

6.1 Playback Console

Information Windows: Display video date and time, current video status, cue in/ out points' time, and speed.

Audio Volume Control: Adjust the sound level.

Screen Division: Allocate the sub-screen display by clicking on the desired layout icon. To switch to single camera display, double click on a particular sub-screen. Double click on the screen again to regain previous screen division lavout.

Browse Mode: Play the recorded video.

Open Record: Click on Open Record button to access the Date-Time Panel and withdraw the video record that you want to review.



Record Display Window: The record display window shows the information of the available video clips. It may show in calendar or list control view. For further details about how to modify the record display window view.

Click on the 💴 icon on the top of the display window to obtain the Remote Playback Site Management dialog. You may select to access local machine or set up remote playback server.

Click on the

icon to refresh the record display window, and click on the size icon to

access the log viewer dialog. Additionally, utilize the icons to go to previous and next recording Date.

Date Time Period: Select the start and end time points that indicate the time period you would like to view.

Video Preview: Check the enable preview option to view the selected video.

Event Type: There are 6 event types; see Chapter 4 Guard for details. You may set up different colors for different event types to help you select events.

Time Table: Utilize the icon to select all channels; also utilize the icon to deselect all channels. Finally, utilize the scale bar icon to modify the scale of the time table.

To Withdraw the Record:

Step 1: From the record display window at the top left of the Date Time Panel, select the date you want to withdraw the record from. The red/green/blue lines shown on the time table indicate available recorded video records.

Note: The record display window can be shown in (a) calendar view or (b) list control view. To modify the setting of the record display window, click on the Setting button at the right of the Playback Console.

Step 2: Use color bars to differentiate event types from each other. This will help you select video clips.

Step 3: Highlight the video clip you want to review by left-clicking and dragging the time period. You may also utilize the Start Time and End Time in Date Time Period Section. In addition, modify the scale of the time table with the + and – signs on the bottom left.

Step 4: Check the Enable Preview option to get the preview of the video you select.

Step 5: Click the camera name to increase or decrease cameras you want to playback.

Step 6: Click OK when completing the setting

6.2 Search Mode

Click on the Search Mode icon to obtain the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality occurred during the recoding period.

Intelligent Search Tool Panel: Click on the Search Mode icon and get the Intelligent Search Tool panel. Set up unusual events here to detect abnormality that occurred during the recording period.

There are 5 types of unusual events: General Motion, Foreign Object, Missing Object, Lose Focus, and Camera Occlusion.

6.2.1 Unusual Event-General Motion

General Motion: Detect all movements in the defined area.

Define Detection Zone: Left click and drag to draw a detection zone. You may define more than one zone on the screen by repeating the process.

Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level, which means a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

Set up an appropriate sensitivity level reduces the frequency of false alarm. For instance, you can lower the sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the time interval.

Stop When Found: Check the option to have the video stopped when detecting motion in the detection zone. Uncheck the option to have video kept rolling, and all detected events will show on the list

ntelligent Search Tool 🛛 💌					
Alarm Event Type					
General Motion					
Sensitivity:					
Interval:					
Region Definition					
Define detection zone					
C Define object size					
All Clear					
Rectangle count: 0					
Draw Region					
🔽 Stop when found					
Search Stop					

in search result box. Click on the listed event in the box to jump to the point in the video where a motion is detected.

6.2.2 Unusual Event-Foreign Object

Foreign Object: Alarm is set off when any additional object appears in the defined area on the screen.

Define detection zone: Before detecting foreign object, it is required to define a detection area. In order to do so, left click and drag on the screen. Alarm will be triggered when any additional object appears in the detection zone.

Define object size: Drag and draw on the screen to define the size of a foreign object.

Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level, which means a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

Interval: Click and move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the object has been removed from the area for longer. Move to the **left to**

Inte	lligent Search	Tool 🛛				
Г	Alarm Event Type					
	Foreign Object 🔹					
	Sensitivity:					
	Interval:					
Г	Region Defi	inition				
	Oefine detection zone					
	C Define object size					
	All	Clear				
	Rectangle count: 0					
	🔽 Draw Re	egion				
	🔽 Stop whe	en found				
	Search	Stop				
	þ	page-60				

reduce the time interval.

Set up an appropriate Interval value will reduce the chance of false alarm. For example, you can lower the Interval to avoid the alarm being triggered by a pedestrian.

6.2.3 Unusual Event-Missing Object

Missing Object: Alarm is set off when the selected object is removed from the defined area on the screen.

Define detection zone: Before detecting missing object, it is required to define a detection zone. Left click and drag to draw a detection zone. Alarm will be triggered when the defined object is removed from the detection zone.

Define object size: This tells the System how big the defined object is. Drag and draw a square that is about the same size as the object that you want to protect on the screen.

Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level and a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

Interval: Click and move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the time interval.

Intelligent Search Tool	×				
Alarm Event Type					
Missing Object 🔹					
Sensitivity:					
Interval:					
Region Definition					
Define detection zone					
C Define object size					
All Clear					
Rectangle count: 0					
🔽 Draw Region					
Stop when found					
Search Stop					

6.2.4 Unusual Event-Lose Focus/ Camera Occlusion

Lose Focus: System will inform you when the camera(s) lose its focus. Camera Occlusion: Alarms when any of the cameras is blocked.

6.3 Enhancement

Post Processing Tool	×
General Setting G Apply active channel C Apply all channels	
Filter Setting	
Sharpen	
Grey Scale	

General Setting: Check the option and chose whether you want to apply the setting to all the channels or only to those currently shown on the screen.

Filter Setting

Visibility: Check the option and adjust the gamma value of the image to enhance the image and make it cleaner.

Sharpen: Check the option to activate the function. Move the slider control to the right to sharpen the image, to the left to soften it.

Brightness: Check the option to activate the function. Move the slider control to the right to make the image brighter.

Contrast: Check the option to activate the function. Move the slider control to the **right to increase** contrast.

Grey Scale: Check the option to show the record in grey scale mode so the image displays in black and white.

6.4 Save Video / Save Image

Save Video

Step 1: Click on the display screen to choose the camera display that you want to save as a video clip.

Step 2: Set up the cue in and cue out points; the cue in and cue out time will show on the information window.

Step 3: Click Save Video icon, choose the folder where you want to save the file at, enter the file name and click SAVE. You may export (i.e. save) the record with both audio and video or video only.

Step 4: Choose the compression format and then save the video.

Save Image

Step 1: Click on the display screen to choose the camera display from which you want to save pictures.

Step 2: Click Save Image button when the image you want is shown on the screen. You may click Pause to freeze the video, use Step Forward/ Step Backward function to find the picture(s) that you want to save.

Step 3: Choose the folder and the format of image (BMP or JPEG) you prefer and then click save.

Note: You may skip step 3 by pre-setting a folder and format that you want to save the images.

6.5 Print / Backup

Print: Print the current image of the video you choose.



Print in original size: Select to have the image print in original size.

Fit the page: Select to have the image fit the page.

Align Image: Top, Center, or Bottom

Print Content: Print the image from currently selected channel or all the channels shown on the screen.

Backup

Different from Save Video, the Backup function saves everything from the Playback panel, including log information.

You can start a full function Playback Console and load the backup files into it on any PC with Windows operating system. This means you may monitor the real time video and work on the backup files on separate computers simultaneously.

- Step 1: Press the "Open Record" to select data and press "Backup".
- Step 2: You can adjust the Start Time and End Time you want to backup.
- Step 3: You can adjust the Cameras you want to backup.
- Step 4: You can calculate the size of the backup data.
- Step 5: Select the directory you want to save the backup data.
- Step 6: Check the log you want to backup.
- Step 7: Press the "Backup" to start backing up.



6.6 Log Viewer

6.6.1 Unusual Event

View the unusual event history that had been detected by the Smart Guard System.



Step1: Choose the type of events you wish to view or select "All" from the drop-down menu to view all types of events.

Step 2: Choose the camera channel you wish to view or select "All" for all the channels available.

Step 3: You can either view the events that happened on a particular date or during a given time period. To search and view unusual event on a particular date, check the option right next to "Date" and select a specific date.

You may also point out two different time points and search for unusual event happened during the period. Check the options in the Date &Time columns and enter the date and time.

Step 4: Click Search

Note: When working with a video record,

1. Log Viewer will search for Unusual Event in the video record in Date & Time mode, start from the beginning to the end of the record, which is the default setting of the system.

2. A link will appear right next to each event time. By clicking on the link, the video will jump to the point where the unusual event takes place.

6.6.2 System Log

Select Log Type form the drop-down menu. There are total 11 types of log types, including:



- 10. Disable Channel
- 11. Start Smart Guard

- 21. Modify Remote Playback Server
- 22. IP Camera Connection Lost

Step1: Choose the type of event you wish the check or select "All" from the drop-down menu and view all types of events.

Step 2: You can either view the events that happened on a particular date or during a given time period. To search and view unusual event on a particular date, check the option right next to "Date" and select a specific date.

You may also point out two different time points and search for unusual event happened during the period. Check the options in the Date &Time columns and enter the date and time.

Step 3: Click Search.

6.6.3 Counting Application

You can see the results of Counting Application during the time period you set.

©Log ¥iewer				
Jnusual Event System	Log Counter Application C	ounter Application	(Diagram)	
Channal:				
Channel, Jan				
Date: 🔽 2005/1	lov/10 - 1			
Date&Time: C 2005/2	Tov/21 01:35 PM 👻 🗘 to 📔	2005/Nov/21 01:35	5 PM - 📮	Search
event Time	Device	In	Out	
2005/11/10 02:00:00	CAMERA 1	0	0	
2005/11/10 03:00:00	CAMERA 1	0	0	
2005/11/10 04:00:00	CAMERA 1	0	0	
2005/11/10 05:00:00	CAMERA 1	0	0	
005/11/10 06:00:00	CAMERA 1	0	0	
005/11/10 07:00:00	CAMERA 1	0	0	
005/11/10 08:00:00	CAMERA 1	0	0	
005/11/10 09:00:00	CAMERA 1	5	2	
005/11/10 10:00:00	CAMERA 1	10	4	
005/11/10 11:00:00	CAMERA 1	17	13	
005/11/10 12:00:00	CAMERA 1	8	9	
005/11/10 13:00:00	CAMERA 1	5	21	
005/11/10 14:00:00	CAMERA 1	9	9	
005/11/10 15:00:00	CAMERA 1	7	16	
005/11/10 16:00:00	CAMERA 1	11	6	
005/11/10 17:00:00	CAMERA 1	7	10	
005/11/10 18:00:00	CAMERA 1	3	13	
005/11/10 19:00:00	CAMERA 1	2	14	
005/11/10 20:00:00	CAMERA 1	1	2	
005/11/10 09:00:00	CAMERA 1	0	0	
:005/11/10 10:00:00	CAMERA 1	0	0	
2005/11/10 11:00:00	CAMERA 1	0	0	1

The Counting Application result data will show in a diagram.



6.7 Setting

Record Display

Calendar View: Make the record display windows as calendar view.

List Control: Make the record display windows as list control.



Option
Record Display
Calendar View C List Control
Play
F Play when open
Auto skip when record motion only mode
Next interval: 1 _ min
Previous interval:
Capture Image
C Save in clipboard
Manually save the image file
C Automatically save the image file
L URL
Preferred Image format: bmp
V OK Cancel

Play

Play when open: Check the option and set the system to start playing the video clip every time when a record is withdrew.

Auto skip when record motion only mode: Check the option to set up the system to automatically skip to the points where there were motions recorded.

Next interval: Set the interval with which the video goes forward when you click on the Next icon on the control panel.

Previous interval: Set the interval with which the video goes backward when you click on the Previous icon on the control panel.

Capture Image: Setup how you want to save image.

Save in clipboard: The image will be saved in the clipboard and can be pasted on other application software.

Manually save the image file: You can manually select where you want to save the image, name the saved file, and choose the format you want to save the image.

Automatically save the image file: By pre-setting a path/URL and the image format, the system will automatically save the image accordingly when you click the Save button in the control panel.

6.8 Remote Server

g	Remote Playback Site Mana	gement	<u>×</u>	¢
	Server Setting			
	Server Name:			
	Address:			
	Port:	5160		
	User Name:			
	Password:			
	Save Password:			
		Test Server		
	Add Delete	Update		
			✓ OK X Cancel	

Add Remote Playback Site

Pressing the "Remote Sever" can go to remote playback site management to add and setup the remote playback site.

- Step 1: Enter the IP address or DNS, Port, Username, and Password.
- Step 2: Click "Add" to add the server.
- Step 3: Click OK to exit the Setting panel.

Access Remote Playback Site

Go to Date Time Panel and click on the Sicon on the top of the display window to access the Remote Playback Site.

7. Schedule



Click on the Schedule icon on the Main Console and set up the time duration for video recording on the schedule configuration panel.

7.1 Day Mode

Schedule the cameras to turn the recorder on and off at the same time every day according to your setting.

To setup the time schedule for each camera, you may

- 1. Load the preset modes or
- 2. Insert a new schedule manually

Load Preset Modes

Click on the Load icon for the drop-down menu.

Regular Mode: Video recording 24 hours a day with the setting of 30 FPS (frames per second), Normal video quality and Normal resolution.

Office Mode: Video recording from 8 am to 8 pm (08:00 – 20:00, shown on the red bar in the Schedule Configuration panel) with 30 FPS, Normal video quality, and Normal resolution.

Shop Mode: Video recording from 10 am to 10 pm (10:00 – 22:00) with 30 FPS, Normal video quality, and Normal resolution.

High Security Mode: Video recording 24 hours a day with the setting of 30 FPS, the highest video quality, and High resolution.

Disk Saving Mode: The system will start recording only when a motion is detected on the screen, 24 hours a day (shown on the green bar in the Schedule Configuration panel), with the setting of 30 FPS, Normal quality, and Normal resolution. You can adjust the sensitivity, interval, and area of motion detection in the Schedule Configuration.

Minor Mode: The system will start recording only when a motion is detected on the screen, 24 hours a day (shown on the green bar in the Schedule Configuration panel), with the setting of 15 FPS, Low quality, and Low resolution. You can adjust the sensitivity, interval and area of motion detection in the Schedule Configuration.

Insert a New Schedule Manually

Step 1: Left-click and draw the bar you want to the time table. The scheduled time will show as a grey bar. Step 1


Step 2: Click the **Insert** icon and add a new schedule in the Regular Mode, i.e. to record video during the time period you set with 30 FPS, Normal video quality, and Normal resolution. Step 3: Change the setting if wished by clicking on the **Configure** icon or double click the **schedule information**.

Step 4: Click OK.

Copy Schedule

You may set up the schedule for each channel/camera by repeating the process above, or simply apply the setting of a single camera to all the others.



7.2 Week Mode

Schedule the cameras for each day of the week differently. In addition, you may assign extra holidays under the Week Mode.

	🚰 Schedule Configuration																	
	🎂 Load 🔮 Copy to 👘 街	E Default	0 1	2 3	4 5	6 7	8 3	9 10	11 12	13 1	4 15	16 1	7 18	19	20 21	22	23	4
Custom	🖃 🖬 Default	Main Gate							11111		al de la companya de							<u></u>
	1 In the second seco	Pool																
	O3 Pool	Room A																
Holidov	🗉 🧧 04 Room A	Room B																
nuluay	🗉 🧮 05 Room B	Back Door																
Default		Start Time End	te 🛃 C Time R	onfigure tecord	FPS	Q	uality	Resolu	ition									*
Week Mode	Dafault Holday Custom																	
													 Image: A start of the start of	OK		×	Can	cel

Default: Follow the same process to setup the schedule for every day in a week.

Holiday: You may assign holidays where the system will work according to the setting of Sunday. Custom: You can assign a particular date(s) on which the system will work according to a special schedule(s) different from the others.



Adjust the Scheduled Setting: You can manually change the setting at any time after you insert or load a period of schedule.

Option 1: Move the cursor to the **Time Bar** and change the length or move the bar sideway to change the start and end points.

Option 2: Click on the Configure icon or double click on schedule information on the screen (highlighted in blue) to obtain the Encoding Option panel and change the setting as wished.

	🛃 Schedule Configuration																				X
Timo Bar	🔥 Load 🍓 Copy to 📩 📩	🛅 Default	0 1 2	3 4	6	6 7	8	9 10	11	12 1	3 14	15	16	17	8 1	9 20	21	22	23	24	8
	Default G 01 Main Gate G 02 Driveway G 03 Pool G 04 Room A G 05 Room B G 06 Back Door	Driveway Pool Room A Room B Back Door																			3
Configure																				7	1
Schedule Information	Defaut Holday Custom	Start Time Enc 04:00 12:	i Time Reci	ignue ord FP ays	'S	Qu	aity	Reso	lution												
														•	/	ок		×	с	ancel]

Configure: Click on the configure icon to obtain the Encoding Option panel.

Encoding Option Panel



Always Record: Select this option to record the video at all time.

Record on Event: Select this option to obtain the Select Event panel. From the Smart Guard list, check the box of the camera(s) that you want to trigger the recording action. Click OK to complete the setting.

Record on Motion: Select this option to start recording when there are motions detected. To detect Motion, you have to define a detection zone. Left-click and drag the mouse to draw a detection zone. You may define more than one zone on the screen by repeating the same process. User can also click on "All" button to select the entire detection zone. You may adjust the sensitivity and the frame interval.

Pre-record/ Post-record Time: The pre-record/ post-record function saves the recording data accordingly. For instance, to set up a 5 second pre-record time means the system will start saving the recording data 5 seconds before the event happens.

8. Guard

🔔 Event and Action Configuration		×
Event and Action Configuration Event Event CAM01 Main Gate General Motion CAM02 Driveway CAM02 Driveway CAM03 Pool Goneral Motion CAM05 Room B Goneral Motion CAM05 Back Door Goneral Motion Digital Input System	Action	Сапсеl
CAM03 Pool	Video Preview	

Click on the Guard button on the Main Console to start the Event and Action Configuration panel. You need to specify an event to be detected as well as to set up an action with which the system will take when the specified event is detected.

8.1 Event

There are three sources of events: Camera (video image), Digital Input (device connected to you PC) and System (condition of your hardware). You can assign multiple events by following the instructions below.



Step 1: Select a channel from the camera list and click the insert event icon

Select Event	$\overline{\mathbf{X}}$	Step 2
Event Type Signal Lost Foreign Object Missing Object Lose Focus Camera Occlusion	Description Detect videe-signal connection Detect foreign object in defined area(! Missing/being moved of defined object Camera focus lost detector Camera blocked or damaged	Step 3
<	™ × Cancel	

Step 2: There are six types of events: Signal Lost, General Motion, Foreign Object, Missing Object, Lose Focus, and Camera Occlusion. Select the event you want on the Event Type list, and then click OK.

Step 3: Configure the setting of the Event Type. See the following instructions.

8.1.1 Event - Signal Lost



8.1.2 Event - General Motion

Detect any movement in the defined detection zone.

Basic Setting

larm Event Configuration	X
Basic Advanced	
Camera 1 - General Motion	
🔽 Enable Event	
Life Cycle	
 Automatic cancel event when event disappear 	
C Manual cancel event or event last triggered	
Activated Period	
Always Activated	
C Activated only in the following period	
07:58 🔆 to 22:01 🔆	
	V OK X Cancel

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Advanced setting

Sasic Auvanceu		
Alarm Event Option Camera 1 General Motion Sensitivity: Interval: Interval: Ingnore Lighting Change Region Definition Define detection zone Define object size All Clear Start Simulation	Video Preview	

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Region Definition: To detect General Motion, you have to define a detection zone. Left-click and drag the mouse to draw a detection zone. You may define more than one zone on the screen by repeating the same process. User can also click on "All" button to select the entire detection zone.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

8.1.3 Event - Foreign Object

Alarm will be set off when an object appears in the defined area on the screen.

Basic Setting

Alarm Event Configuration	
Basic Advanced	1
Camera 1 - Foreign Object	
🔽 Enable Event	
Life Cycle	
C Automatic cancel event when event disappear	
 Manual cancel event or event last triggered 	
Activated Period	
 Always Activated 	
C Activated only in the following period	
07:58 * to 22:01 *	
	✓ OK X Cancel

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Advanced setting

arm Event Configuration			
asic Advanced			
Alarm Event Option	Video Preview-		
Camera 1			
Foreign Object			
Sensitivity: j			
Interval:			
Lanore Lighting Change			
Region Definition			
Define detection zone			
C Define object size			
All Clear			
Start Simulation			
	Ŋ		
		🗸 ок	X Cance
		<u> </u>	

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Region Definition: To detect Foreign Objects, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag the mouse to draw the detection zone (Region 1).

After defining the detection zone, select **Define object size**, and then left-click and drag the mouse to indicate the size of the object you want to detect.

Hint: For instance, if you want to prevent somebody from leaving a briefcase in a hallway, you may put a briefcase in the hallway where the camera is aiming. On the screen of the camera, draw an area that fits the size of the briefcase and define it as the object size, and then remove the briefcase before activating the Smart Guard function on the Main Console. The system will consider everything in the screen normal when you click Start to activate the monitor function.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

8.1.4 Event - Missing Object

Alarm will be set off when an object disappears in the defined area on the screen.

Basic Setting

larm Event Configuration	X
Basic Advanced	
Camera 1 - Missing Object	
🔽 Enable Event	
Life Cycle	
C Automatic cancel event when event disappear	
Manual cancel event or event last triggered	
Activated Period	
Always Activated	
C Activated only in the following period	
07:58 to 22:01	
	V OK X Cance

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Advanced setting

arm Event Configuration	
Basic Advanced	
Alarm Event Option	Video Preview
Camera 1	
Missing Object	
Sensitivity: J	
Interval:	
Ignore Lighting Change	
Region Definition	
Define detection zone	
C Define object size	
All	
Start Simulation	
	V OK X Cancel

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Region Definition: To detect Foreign Objects, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag the mouse to draw the detection zone (Region 1).

After defining the detection zone, select **Define object size** and then left-click and drag the mouse to indicate the size of the object you want to detect.

Note: For instance, if you want to prevent somebody from removing the computer monitor on the desk, draw an area that fits the size of the monitor on the screen.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

8.1.5 Event - Lose Focus

This function alarms you when any of the cameras is losing focus and has blur image.

Basic Setting

Alarm Event Configuration	
Basic Advanced	
Camera 1 - Lose Focus	
🔽 Enable Event	
Life Cycle	
 Automatic cancel event when event disappear 	
C Manual cancel event or event last triggered	
Activated Period	
Always Activated	
C Activated only in the following period	
07:58 🔺 to 22:01 🍝	
	V OK X Cancel

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Advanced setting

asic Advanced		
Alarm Event Option Camera 1 Lose Focus Sensitivity:	Video Preview	
Ignore Lighting Change Region Definition Oefine detection zone		
C Define object size		
Start Simulation		

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Ignore Lighting: Check the box to avoid alarm being set off by light changing.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

8.1.6 Event - Camera Occlusion

This function alarms you when any of the cameras is blocked.

Basic Setting

Alarm Event Configuration	
Basic Advanced	1
Camera 1 - Camera Occlusion	
🔽 Enable Event	
Life Cycle	
 Automatic cancel event when event disappear 	
C Manual cancel event or event last triggered	
Activated Period	
 Always Activated 	
C Activated only in the following period	
07:58 * to 22:01 *	
_ L	
	✓ OK X Cancel

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Advanced setting

arm Event Configuration		
Basic Advanced		
Alarm Event Option Camera 1 Camera Occlusion Sensitivity:	└ Video Preview	
Ignore Lighting Change Region Definition		
C Define object size		
Start Simulation		
		✓ OK X Cance

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Ignore Lighting: Check the box to avoid alarm being set off by light changing.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

8.1.7 Event - Digital Input Event



Step 1: Click and highlight Digital Input on the event type list, and click the Insert Event icon.Step 2: Select the device that is connected to your system, that is, the PC you are working with.

Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

darm Event Configuration
Basic
Digital Input - card1 Pin 0
F Enable Event
Life Cycle
C Automatic cancel event when event disappear
 Manual cancel event or event last triggered
Activated Period Always Activated C Activated only in the following period
09:00 ÷ to 22:00 *
V OK X Ca

8.1.8 Event - System



Step 1: Click and highlight Digital Input on the event type list, and click the Insert Event icon.Step 2: There are two events. Select the event you want to detect.

Disk Space Exhausted: This function alarms you when disk space is exhausted.

Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

larm Ev	ent Configuration
Basi	2]
Dis	< Space Exhausted
	Enable Event
⊢ Li	ie Cycle
	O Automatic cancel event when event disappear
	Manual cancel event or event last triggered
-Ac	tivated Period
	 Always Activated
	Activated only in the following period
	07:58 💌 to 22:01 💌
	V OK X Cance

System Health Unusual: This function alarms you when high CPU temperature or low fan speeds.

Advanced setting

Alarm Event Configuration	×
Basic Advanced	
Current Status	
CPU Temperature: N/A	
Fan Speed: N/A	
Options	
Temperature Format: © Celsius	
O Fahrenheit	
High temperature alarm at : 📩 70C	
Low fan speed alarm at: 📩 1000 RPM	
	0

Current Status: Show you the current CPU temperature and fan speed.

Option: Check the temperature format Celsius or Fahrenheit and adjust the high temperature alarm at what temperature degrees and low fan speed alarm at what RPM.

Basic Setting

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Alarm Event Configuration	X
Basic Advanced	
System Health Unusual	
Enable Event	
Life Cycle	
C Automatic cancel event when event disappear	
 Manual cancel event or event last triggered 	
Activated Period	
Anways Activated	
0K X Can	cel
· · · · · · · · · · · · · · · · · · ·	

8.2 Action



Insert Action: To setup actions responding to an unusual event.

Step 1: Choose an event and click the "Insert Action" icon.

Step 2: There are 6 types of actions: On Screen Display, Play Sound, Send E-mail, Send SMS Message, PTZ Preset Go and Signal Digital Output. Select the action you want on Action Type list and then click OK.

Step 3: Configure the setting of the Action Type if needed.

8.2.1 Action - Action Type

On Screen display: A red warning will be flashing on the screen of Main Console, indicating which type of unusual event is detected.

Play Sound: Sound alarm warning. Choose a Wave file (.wav) and the system will play the sound as alarm when an unusual event is detected.

Send E-mail: The system will send an E-mail immediately to given accounts indicating the type of event, the time, and attaching a picture taken while the event is detected. To give the system the E-mail accounts, go to Config > Setup > Hotline.

Phone Call: The system will call a given phone number when an unusual event is detected. To setup the phone number and make an audio record for the phone call, go to Config > Setup > Hotline.

PTZ Preset Go: The PTZ (pan/tilt/zoom) camera will go to a preset spot when an unusual event is detected. Select the PTZ camera on the pop-up panel, and then, at Alarm On section, select the Preset number with which you want the PTZ camera to go when an event is detected; and assign a Preset configuration for Alarm Off.

Note: You need to configure your PTZ camera before using this function.

Signal Digital Output: Triggers traditional alarming devices that connect to the system, such as alarm lights and sirens.

9. Start



START: Click on the Start icon and select from the drop down menu to activate/ deactivate: (a) Recording Schedule System, (b) Smart Guard System, or (c) Counting Application. Select Start/Stop Monitor All to activate/ deactivate all the functions at once.

You may also enable secondary display, open event report, and lock the system here.

Note: When activating any of the monitor functions, system considers the current screen status as normal. Therefore, if you want to, for example, detect Missing Object, be sure the object needed to be protected is in its position at the moment you click Start button.

10. Remote Live Viewer



With the Remote Live Viewer console, remote users may watch real-time video from remote live streaming servers.

10.1 Show Camera(s) On the Display Screen

Select a camera(s) from the server/ camera list on the right and then drag it to where you want the image to be displayed.

On the server/ camera list, right click on a camera to connect/ disconnect it.

Log In/ Log Out: Select a server or a group and click on the log in/ out icon to access/ leave the server. You may also log in/ out from the server by right clicking on it.

Server and Camera List: Display a complete list of the server(s) and camera(s) that are added to the system.



PTZ Camera Control: You may control the camera view by utilizing the PTZ camera control panel to adjust the camera's view. This is only available with cameras that support PTZ function.





Minimize: Minimize the Remote Live View Console window.

Exit: Shut down the system or log out current user.

Digital Zoom: Click on the "+" or "-" signs to zoom in and out the view.

Play / Stop/ Drop: Select a camera/ video and click on this button to play/stop/disconnect a particular channel.

Information Display Window: Display video information including server name, video current status, and bit rate for a selected channel.

Playback: View playback video remotely.

Remote I/O: Utilize I/O device function remotely. - User can remote adjust the Output Pins by turning it on or off

Snapshot: Select the snapshot function to capture a specific video image immediately.

11. Web View

Server IP



Remote Live Viewer

Remote Playback

Note: Must make sure the Liver Stream Server is enabled.

Server IP: Open an Internet Explorer browser and enter the IP address or DDNS "name" of the server followed by the connecting port.

Example: http://192.168.0.20:8080/

Note: 192.168.0.20 is the IP address of the server.

8080 is the port specified in "Use Default Web Server" in Network Service.

Remote Live Viewer: Press this icon to use Remote Live Viewer which functions are the same as Remote Live Viewer.

Remote Playback: Press this icon to use Remote Playback which functions are the same as Playback but remote server and backup functions.

12. DB Tool

The DB Tool Export/import database files; Export configurations; and Edit storage location. **Warning** : improper use of this DB Tool may cause lose of the recorded video data.

Step 1: Execute DB Tool from program files.

	lince		IP Surveillance System	۶	🔁 Backup System
	Win	1	MPEG-4 Hybrid System	P	🔒 DBTools
	u Co	1	RealVNC	F.	🜒 Main Console
Step 1	fools	÷	Skype	۶,	잘 Playback System
			Storm Codec	۲,	📳 Remote Live Viewer
	p •		T-TIME	F.	🗿 Remote Playback Server
			Ulead COOL 360	•	🥑 System
			Ulead. Photo Explorer 8.6	F	📩 User Manual
	Micr		Ulead PhotoImpact 11	۲T	
	»		Ulead Systems	Þ	

Step 2: Enter the password of administrator to login.

	DBTools login	×
Step 2	Please enter password for the administrator of Main Console :	
	User name: admin	
	Password:	
	OK Cancel	

12.1 Export Database

Step 1: Select system database location (generally they will reside in c:\program files\your_installation_directory\).

Step 2: Select the destination you want to export.

Step 3: Press "Export" to start to export database.



12.2 Import Database

- Step 1: Select the database location you want to import.
- Step 2: Select the installation path you want to import.
- Step 3: Press "Import" to start to import database.



Example of using export database and import database:

In certain case that when video data needs to be transfer from old PC to another new PC, user will need to perform the following procedure.



1. Manually copy all recorded video data from the default installation path or other user-defined storage path of the old PC.



2. Run "12.1 Export database" on old PC.

3. Manually paste all recorded video data to the default installation path or other user-defined storage path of the new PC

- 4. Run "12.2 Import database" on new PC
- 5. Old recorded video data can be viewed by playback system on the new PC.

12.3 Export Configurations



Step 1: Press "Export".

Step 2: Select the location you want to Export and type the name of the configurations. Step 3: Press "Save" to start to import database.

Save As			? 🗙
Save in: [My Documents	• + 1	I 📸 🎟 -
📄 My Music 🔁 My Pictures		 	
File <u>n</u> ame:			<u>S</u> ave
Save as <u>t</u> ype:	Config Files (*.cfg)	•	Cancel

12.4 Edit Storage Location

If you move the recorded videos to a new directory, to ensure the videos can still be recognized by the Playback system, you should change the original directory.

Step 1: Select the original directory in the table.

Step 2: Change the selected path to the new directory for the moved video.

Step 3: Press "Update" to finish editing storage location.

