

Central Management Software

Cam Viewer 3 Pro

User Manual

Version 1.0.0

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1. System Requirement

The Minimum system requirement

Hardware requirement:

CPU	Intel Core 2 Duo or above	
RAM	Minimum 1 GB, 2GB or above is recommended	
HDD	SATA 200GB or above is recommended	
	Independent display card suggested	
Display card	Make sure your display DPI setting is set to default at 96DPI	
Display Card	To set DPI value, right-click on desktop, choose "Settings" tab	
	>> "Advanced" >> "general"	
Ethernet interface	10/100Mb Ethernet card or above	

Make sure your display DPI setting is set to default at 96DPI To set DPI value, right-click on desktop, choose "settings" tab >> "advanced"

Software requirement:

OS	Windows 2000(SP4), Windows XP, Windows 2003, Windows
	Vista(32-bit) and Windows 7(32-bit)

2. Software Installation

1. Double-click on the setup executable file to initiate the installation:



2. The setup wizard will be initialized and preparing to install:

Cam Viewer 3 Pro - InstallShield Wizard			
4	Preparing to Install		
	Cam Viewer 3 Pro Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.		
	Configuring Windows Installer		
	Cancel		

3. Once it finishes initializing, click "Next" to Begin:



4. Click "Next" to continue, or click "Change" if you wish change the installation directory:

🛱 Cam Vi	🕏 Cam Viewer 3 Pro - InstallShield Wizard 🛛 🛛 🔀			
Destination Click Net	on Folder xt to install to this folder, or click	< Change to install	to a different folde	PLANET
	Install Cam Viewer 3 Pro to: C:\Program Files\PLANET\Car	m Viewer 3 Pro∖		Change
InstallShield -				
		< Back	Next >	Cancel

5. Enter a new valid path in the "Folder name" field for new installation directory, or click the

icons highlighted below to switch to a desired directory and create a new folder if desire.

🕼 Cam Viewer 3 Pro - InstallShield Wizard		
Change Current Destination Folder Browse to the destination folder.		
Look in:		 Up one level
Cam Viewer 3 Pro	💌 🖻 📂	
Database Log		 Create new folder
Eolder name:		
C:\Program Files\PLANET\Cam Viewer 3 Pro\		
InstallShield	OK Cancel	

Afterwards, click "OK" to continue:

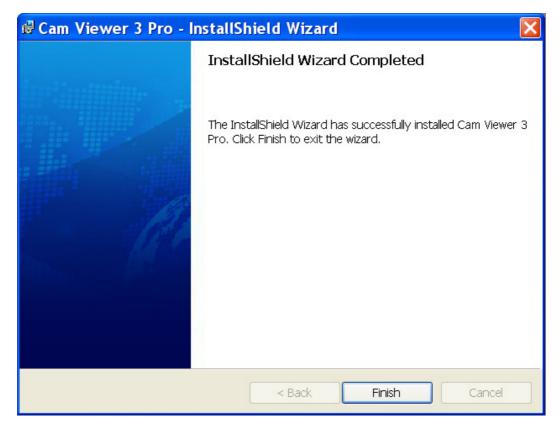
6. Click "Install" to start the installation, or click "Back" to go back and make further changes:

🗟 Cam Viewer 3 Pro - InstallShield Wizard 🛛 🔀				
Ready to Install the Program The wizard is ready to begin installation.		<u>@</u>	PLANET	
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.				
Setup Type:	Current Settings:			
Typical				
Destination Folder:				
C:\Program Files\PLANET\Cam Viewer 3 Pro\				
User Information:				
Name: Microsoft	Name: Microsoft			
Company: Microsoft				
InstallShield		20		
	< Back	Install	Cancel	

7. The installation process should be displayed:

🕏 Cam Vi	iewer 3 Pro - InstallShield Wizard	
	gram features you selected are being installed.	
1 1 1	Please wait while the InstallShield Wizard installs Cam Viewer 3 Pro. This may take several minutes.	,
	Status:	
)
InstallShield -		
unstalioniela -	< Back Next > Car	ncel

8. Simply click "Finish" to exit the setup wizard when installation finishes:



3. Configuration Wizard

To configure detail settings to the software, open up the config wizard program to do so. There

are two ways of accessing the config wizard:

• Accessing the config wizard from the main program:



Open up the main program from the desktop shortcut or under the "Start" menu

Go to "Start" >> "All Programs" >> "PLANET" >> "Cam Viewer 3 Pro" >> "CV3 Pro Config"

💼 PLANET 🔹 🖡 💼 Cam Viewer 3 Pro 🔹 🌽 CV3 Pro Config

3.1 System

Upon the start of the CV3 Pro Config, the "System" page should be displayed:

Cam Viewer 3 Pro				
Custom	¥ Server			
System	Server Name	Cam Viewer 3 Pro		
Channel	Time Zone	GMT 08:00		
Intelligent	Version Keypro ID	1.1.3.30322		
Event Handling	Keypio ID			
E-Map	* Network			
User Account		Local Server		
Recording	Connection Port			
Report	Web Server Port	80		
Backup				
Log View				
Save				
Exit				
PLANET Networking & Communication		\vee O		

¥ Server		
Server Name	Cam Viewer 3 Pro	
	GMT 08:00 1.1.3.30322	Drop-down menu for
Keypro ID	DEMO	multi-language Time zone setting of the PC Software

*Network				
IP Address Connection Port Web Server Port		IP address of the PC Connection port for video streaming Port number used		
		by the software's web server		

3.2 Channel

The "Channel List" page should be display which is an overview page that displays a list of

cameras currently added to the software.

System	Cam Viewer 3 Pro								
Channel	System	Y Channel List							
Channer		[Channel List	1	<u> </u>	nel Set		ľ	PTZ Setting
Intelligent	Channel	Item	Name 	IP -	Address	Port	Brand	Model	MAC -
	Intelligent	2		-		-		-	-
Event Handling	Event Handling								
E-Map	E-Map								
User Account	User Account								
Recording	Recording								
Report	Report								
Кероге	Backup								
Backup	Log View								
Log View	Save								
Save	Exit								
Exit	PLANET Networking & Communication								

3.2.1 Adding Cameras

To add cameras using the configuration wizard, go to "Channel" from the menu on the left.

System	Cam Viewer 3 Pro					
Channel	System	V Cha	nnel List			
Channel			Channel List		annel Setting	PTZ Setting
Intelligent	Channel	Item 1 -	Name -	IP Address	Port Brand	Model MAC
	Intelligent	2 -	-	-	-	
Event Handling	Event Handling					
E-Map	E-Map					
User Account	User Account					
Recording	Recording					
Report	Report					
Кероге	Backup					
Backup	Log View					
Log View	Save					
Save	Exit					
Exit	PLANET Networking & Communication					

To add a new camera, click on the "Channel Setting" tab and select an available channel from

Cam Viewer 3 Pro		
System	Channel List	Setting
Channel	Channel [1] : -	etting
Intelligent	Network Setting Format	<u> </u>
Event Handling	IP Address 80 Resolution	<u> </u>
E-Map	User Name MAX. FPS	_
User Account	Password Display Rate Control	<u> </u>
Report	BitRate	<u> </u>
Backup	Brand GOP	
Log View	Model	
Save	Video ID 1 Video Port Quality MAC : Audio Format	
Exit	PTZ: @ Enable C Disable	
PLANET Networking & Communication		tak 50

the "Channel" drop-down menu, and then click on "Search" to begin:

* The "Search" function only works when the cameras are installed in the same subnet as the PC the CV3 Pro software is installed

You can also click on any of the empty slot in the Camera List to start searching cameras on the network:

Cam Viewer 3 Pro					
Cuntam	V Channel List				
System	Channel List	Char	nnel Setting	PTZ Settir	ng
Channel	Item Name 1	IP Address	Port Brand	Model MAC	
Intelligent	2	-	-		
Event Handling					
E-Map					
User Account					
Recording					
Report					
Backup					
Log View					
Save					
Exit					
PLANET Networking & Communication					

The CV3 Pro software will perform a search and locate the cameras available within the same

subnet:

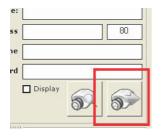
	Channel :	Channel List
Other Settings—		Channel [1] : -
Form		Network Setting
1 0111		CH Name:
Resolutio	80	IP Address
		User Name
MAX. FI		Password
		arch
ji ji		
		_
BitRa		Device Setting
		Brand

A new dialog should be prompted and displays a list of available cameras:

Sea	arch			L C-44i		×		
	etti 1	n IP Address 210.66.155.83	Brand PLANET	Model ICA-HM126	Port 80			
						· ·		
						<u> </u>		
- Di								
	Search again							
	Video ID	1 Video	Port	Quanty				
	MAC :			Audio Format				

* For cameras located in different subnet (but within the same local network), enter its private

IP, HTTP port, user- name and password manually and click "Detect".



Fill in the camera's username and password (must be the root privilege account) in the

corresponding fields shown below and click "Detect":

CH Name:			
IP Address	192.168.11.37	80	
User Name			
Password			

Upon a successful detection, the camera's information and its current settings should be

Y Channel List	
Channel List Chann	el Setting PTZ Setting
Channel [1] : CH # 1	Other Settings
Network Setting	Format jpeg
CH Name: ICA-230	
IP Address 192.168.0.177 80	Resolution VGA 💌
User Name admin	Full
Password	MAX. FPS
Display	Rate Control
	N/A 🗸
Device Setting	BitRate
Brand PLANET	GOP N/A
Model ICA-230	
Video ID 1 Video Port 554	Quality
MAC: 00:30:4F:A0:00:5A	Audio Format g711,g721 [CAM]
PTZ: @ Enable	
	<u> Sok</u> Sob

detected: (as shown below)

The settings shown in the "Other Setting" section can be changed by using either the available drop-down menu or by clicking the corresponding cell box:

Format jpeg v JEeg [CAM] Use the drop-down to make changes Resolution [CAM] v MAX.FPS Full v BitRate Full v GOP V/A v Audio Format 3.726 [CAM] Clear settings and exit this page Click to confirm adding the camera Click to confirm adding the camera	el Setting	PTZ Setting	
Resolution Adding the camera		jpeg	
Resolution [CAM] MAX.FPS -ul [CAM] WILCAM VBR BitRate Full BitRate Full GOP N/A Y/A YA Quality 6 Clear settings and exit this page Click to confirm adding the camera	- OTTING	jpeg [CAM]	Use the drop-down to make changes
Image:	Pecolution	640×481	
MAX.FPS -ul [CAM] Rate Control VBR -ul [CAM] BitRate =ul [CAM] GOP N/A V/A [CAM] Quality 6 J [CAM] Audio Format 3.726 [CAM] Clear settings and exit this page Click to confirm adding the camera	Resolution	[CAM]	
Rate Control VBR VBR VBR VBR VBR VBR VBR CAM! BitRate Full CAM] GOP V/A [CAM] Quality 6 Clear settings and exit this page Click to confirm adding the camera		Full 🖃	
Rate Gontrol VBR [CAM] BitRate Full T GOP W/A T Quality 6 Clear settings and exit this page Click to confirm adding the camera	MAA. PPS	' Tul [CAM]	
V3R [CAM] BitRate u [CAM] Gop V/A [CAM] Quality Clear settings and exit this page Click to confirm adding the camera	Data Dautur	VBR	
BitRate =ui [CAM] Gop N/A V/A [CAM] • Quality 6 Quality 3 [DAM] Audio Format 3.726 [CAM] Clear settings and exit this page Click to confirm adding the camera	Kate Contro	VBR [CAM]	
Click to confirm adding the camera		Full	
Clear settings and exit this page	BitRate	Ful [CAM]	
V/A [CAM] Guality G Cam Audio Format 3.726 [CAM] Clear settings and exit this page Click to confirm adding the camera		N/A 🔫	
Quality Clear settings and exit this page Click to confirm adding the camera	GOF		
Clear settings and exit this page Click to confirm adding the camera			
Clear settings and exit this page Click to confirm adding the camera	Quality	1	
Click to confirm adding the camera	Audio Format	- Construction of the second sec	
Click to confirm adding the camera			
	1	🦗 📾 🐋	Clear settings and exit this page
			Click to confirm adding the camera
Removing an existing camera			-
			Removing an existing camera

Click the "Add Camera" button to confirm the settings and you should be directed back to the

"Channel List" page:

MAX. FPS Full * Full [CAM] Full [CAM] Rate Control VBR * VBR [CAM] VBR [CAM] * BitRate Full [CAM] * BitRate Full [CAM] * M/A VA * Quolity G * 0 [CAM] *		[CAM]
Full [CAM] vBR vBR [CAM] BitRate Full Full vAR Quality GOP N/A CAM]		Full 🗾
BitRate Pull BitRate Full VBR [CAM] Pull VBR [CAM] VBR [CAM] OP N/A V Quality G Y 0 [CAM] Y	MAX. FPS	Full [CAM]
VBR [CAM] BitRate Full I Full I I GOP N/A I N/A [CAM] I I Quality G I 0 CAM] I	Bata Gautual	VBR 🗾
BitRate Full [CAM] COP N/A Image: Comparison of the second s	Rate Control	VBR [CAM]
Full [CAM] GOP N/A Y N/A [CAM] V V Quality 0 CAM] Y	DitDate	Full 🗾
GOP N/A [CAM] Quality 6 ~ 0 [CAM]	BILKate	Full [CAM]
Quality 0 [CAM]	COR	N/A 🗾
Quality 0 [CAM]	GOP	N/A [CAM]
0 [CAM]	Quality	0 <u>-</u>
udio Format G.726 [CAM]	Quanty	0 [CAM]
5 1 1	Audio Format	G.726 [CAM]
	E	5

You can click the "Cancel" button to cancel the configuration and you should be directed back

to the "Channel List" page:

MAX. FPS rull Image: Comparison of the compar	MAX.FPS Full [CAM] Full [CAM] VBR VBR [CAM] VBR BitRate Full [CAM]	MAX. FPS Full [CAM] VBR VBR VBR [CAM] VBR [CAM] Full [CAM] Full [CAM] GOP N/A VAR [CAM] Ounlity 6	MAX.FPS Full [CAM] Full [CAM] Pate Control VBR [CAM] BitRate Full [CAM] GOP /// × N/A [CAM] Guality 6 v n [CAM]	MAX.FPS Full [CAM] Full [CAM] VBR ▼ Rate Control VBR [CAM] ▼ BitRate Full [CAM] ▼ GOP N/A ▼ N/A [CAM] ▼ ▼
Full [CAM] Rate Control VBR ~ VBR [CAM] ~ BitRate Full [CAM] Full [CAM] ~	Full [CAM] Rate Control VBR VBR [CAM] BitRate Full [CAM] Full [CAM] GOP N/A	Full [CAM] Rate Control VBR VBR [CAM] BitRate Full [CAM] GOP N/A Outlity 6	Full [CAM] Rate Control VGR ▼ VGR [CAM] BitRate [CMM] Full [CAM] ROP [CAM] 0 (CAM] 0 (CAM]	Full [CAM] Rate Control VBR VBR [CAM] BitRate Full [CAM] Full [CAM] Quoity 6 n [CAM]
Rate Control VBR [CAM] BitRate Full [CAM] N/A	Rate Control VBR [CAM] BitRate Full - Full [CAM] - - GOP N/A -	Full VBR BitRate Full • Full [CAM] • GOP N/A • N/A [CAM] •	Rate Control ∨BR [CAM] VBR [CAM] ▼ BitRate Full [CAM] Full [CAM] ▼ A N/A [CAM] Quality 6 ▼ ∩ [CAM] ▼	Rate Control ∨BR [CAM] VBR [CAM] ▼ BitRate Full [CAM] Full [CAM] ▼ A N/A [CAM] Quality 6 ▼ n [CAM] ▼
VBR [CAM] VBR [CAM] Full Full Full Full Full Full Full Ful	VBR [CAM] BitRate Full CAM] GOP N/A	VBR [CAM] BitRate rull rull [CAM] GOP N/A N/A [CAM] Ounlity 6	VBR. [CAM] BitRate Full [CAM] Full [CAM] VIA GOP N/A [CAM] Quality 6 n [CAM] VIA	VBR. [CAM] BitRate Full Full Full GOP N/A N/A [CAM] Quality 6 n [CAM]
BitRate Full [CAM]	BitRate Full [CAM]	BitRate ⁷ Full [CAM] GOP N/A [CAM] Ouplity 6	BitRate [*] _{Full [CAM]} GOP N/A [CAM] Quality 6 ✓ ∩ [CAM]	BitRate Full [CAM] GOP N/A ▼ N/A [CAM] ▼ 0 Quality 6 ▼ n [CAM] ▼ 0
Full [CAM]		GOP N/A CAMJ	Full [CAM] GOP N/A [CAM] Quality 6 n [CAM]	Full [CAM] GOP N/A Image: CAM] Quality 6 Image: CAM]
	GOP'	GOP ^{N/A} [CAM]	GOP N/A [CAM] Quality 6 •	GOP N/A [CAM] Quality 6 •
	N/A [CAM]	N/A [CAM]	Quality n [CAM]	Quality 6 The second se
Quality n [CAM]	n [CAM]	Audio Format G.726 ICAMI	<u>52</u> 50 50	
Quality n [CAM]	n [CAM]	Audio Format G.726 [CAM]	<u>a</u>	

You should now see a list of cameras you've been added to the software from the "Channel

List" page:

M Ch	an	nel List						
		Channel List		Chan	nel Set	ting	Ĩ	PTZ Setting
Item		Name		Iress	Port	Brand	Model	MAC
1	e	CH # 1	192.1	58.0.177	80	PLANET	ICA-230	00:30:4F:A0:00
2	-	-	-		-	-	-	-
3	-	-	-		-	-	-	-

3.2.2 Remove Cameras

To remove a camera, simply click on a camera from the list under the "Channel List" page; it

should direct you to the "Channel Setting" page:

V Ch	annel List				
	Channel List	Char	nnel Setting	P	TZ Setting
Item	Name	IP Address	Port Brand	Model	MAC
1	🔀 CH # 1	192.168.0.108	80 PLANET	ICA-108	00:30:4F:A1:01:45
2	🔀 СН # 2 🔪	192.168.0.61	80 PLANET	ICA-H610	00:30:4F:A0:01:68
1					
	Clic	:k			

And all settings of the camera you just clicked on will be displayed. Click on the "Remove

	[CAM]			
MAX. FPS	Full			
MMA.TES	Full [CAM]			
Rate Control	VBR 🔄			
Kate Control	VBR [CAM]			
Dispara	Full			
BitRate	Full [CAM]			
GOP	N/A			
GOP	N/A [CAM]			
en en el la se	6 💌			
Quality	0 [CAM]			
Audio Format	G.726 [CAM]			

camera" button to remove the camera:

3.2.3 PTZ setting - Preset Point

After adding cameras to the software, all the PTZ cameras will be available in the "PTZ

System	V Channel List	
Channel	Channel List	Channel Setting [PTZ Setting]
Intelligent	Channel 💽 🔹	ID Preset Name
Event Handling	ID Name	Add Confirm Remove Cancel
E-Map		
User Account		Spe 6 🗸
Recording		N A Z
Report		
Backup		
Log View		P. P.
Save		
Exit		

Setting" page (Channel >> PTZ Setting)

Only PTZ cameras will be listed in the "Channel" drop-down menu: (as shown below)

Y Channel List									
Channel List	Cha	annel Setting	3	PTZ Setting					
Channel Preset P.CH1		ID Pr Add	eset Name Confirm	Remove	Cancel				

Its live video should then be displayed in the lower-right hand corner:

Channel List	Channel Setting T PTZ Setting
Channel CH1 Preset Points List ID Name	ID Preset Name
10 Wallie	Add Confirm Remove Cancel
	Sync From Camera
	Spe., 6

Use the on-screen PTZ panel to move the view point and select PTZ movement speed from

🖤 Channel List		
Channel List	Channel Setting	PTZ Setting
Channel Preset Points List ID Name	ID Preset Name	Remove Cancel

the "Speed" drop-down to determine the distance of each movement:

Next, type in a name in the "Preset Point Name" field to name the preset point and click "Add"

to finish:

Channel List	Channel Setting PTZ Setting
Channel CH1 Preset Points List ID Name	ID Preset Name
	Add Confirm Remove Cancel
	Sync From Camera

The preset point will then be added and will be available in the "Preset Points List" (as shown

below)

Channel CH1 💽									
Pres	et Points List								
ID	Name								
1	point1								

Click to highlight the preset point will give you the options to "Confirm", or "Remove" the preset point:

Char	nnel CH1	ID Pi	reset Name		
Preset Points List					
ID	Name				
1	point1	Add	Confirm	Remove	Cancel
			Sync Fron	n Camera	

* To confirm an existing preset point, click to highlight the preset point from the list, and then move to a new view point with the PTZ panel. Finally, click "Modify" to confirm and save the new point

3.3 Intelligent

The software has built-in motion detection function which needs to be configured and enabled in the configuration wizard. The configuration page can be accessed in the configuration wizard under "Intelligent" from the menu on the left. You should be greeted with an overview list when first access this page.

The overview provides the overall configuration status of the motion detection function on the available channels.

System	V Int	telligent F	unctions Sett	ings			
-		Intelligen	t Functions Ov	erview	Intelligent Functions Settings		
Channel	СН	Motion D.	. <u> C</u> amera Ta	🗄 Object Lo	🕺 Tripwire	🕵 Object Co	🔛 Foreign O
Intelligent	1	-		-	-	-	-
Event Handling				1			
Е-Мар]						
User Account]						
Recording]						
Report							
Backup]						
Log View]						
Save							
Exit							
		Sta	atus of the inte	elligent funct	ions		
(Chann	els		Stat	us of the int	elligent function	ons

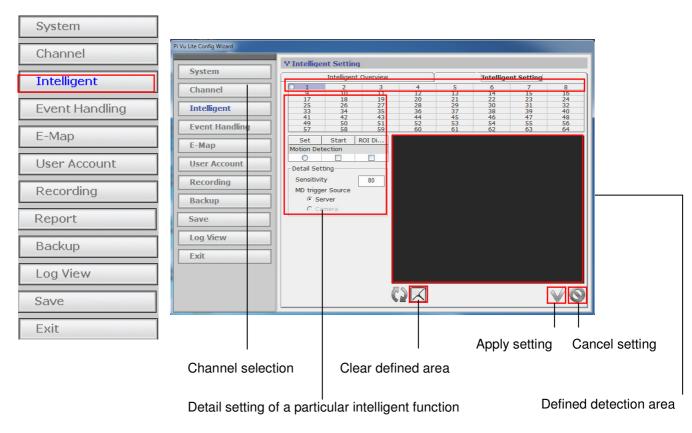
Only the channels that have been configured with cameras (regardless if they are online or not) would have the "X" or O" mark.

X: Disabled

O: Enabled

3.3.1 Intelligent - Motion

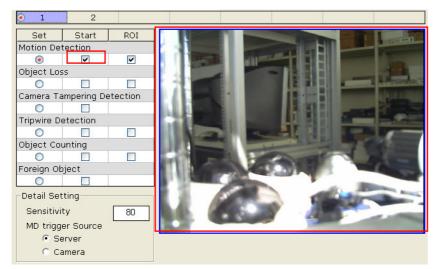
To configure the detail settings of each intelligent function, click on the "Intelligent Setting" tab to access the detail configurations:



* ROI: Region of Interest

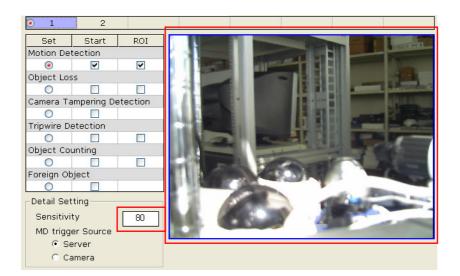
To start configuring the detail settings, select a channel by clicking on the radio button first, and its video should be displayed in the lower-right hand corner:

Cam Viewer 3 Pro		
System Channel Intelligent Event Handling	Intelligent Functions Settings Intelligent Functions Overview 1 2 Start POI Motion Detection © ♥ ♥ Object Loss O	Intelligent Functions Settings
E-Map User Account Recording Report	Camera Tampering Detextion	
Backup Log View Save Exit	Detail Setting Sensitivity 80 MD trigger Source © Server © Camera	
PLANET Networking & Communication		V 🛇



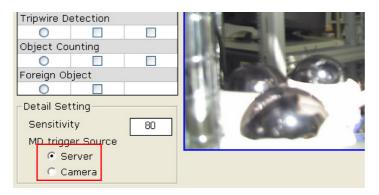
Check the "Start" checkbox to enable motion detection for the selected channel:

Adjust the detection sensitivity by altering the "Sensitivity" value (smaller number means less sensitive)

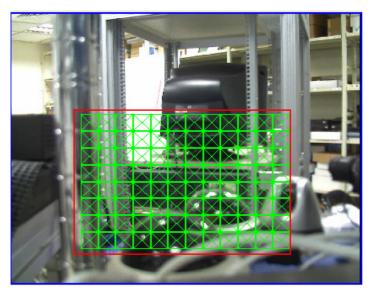


Select the motion detection trigger source:

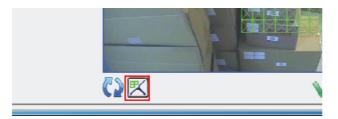
- Server --> Use software's built-in motion detection function
- Camera --> Receive motion detection trigger from the camera



Finally click and hold the mouse left button to draw multiple squares on the video to define motion detection region:



You can click the "Clear" button to remove the defined regions and re-define new motion detection regions:



3.4 Event Handling

The software can receive different types of events and respond to certain actions such as performing recording, send warnings to various event servers or FTP an event image...etc.

Users can also create an "action group" and apply it to a certain type of event on a particular channel.

Cam ¥iewer 3 Pro								
Custom	V Event Action Setting							
System	Overview	Event Action	Action Group	Schedule	Server Setting			
Channel	CH Group	Reco	DO FTP	Mail HTTP TO	P Warning S Contact			
Intelligent								
Event Handling								
E-Map								
User Account								
Recording								
Report								
Backup								
Log View								
Save								
Exit								
PLANET Networking & Communication								

To create an event action group, go to the "Action Group" tab and click the "+" button to begin:

l	VEvent Action Setting							
Ĺ		Overview	Event Ac	tion	Action Group	Sched	ule	Server Setting
	V E	vent Actio	n Group					
	ID	Recording	FTP	Mail	HTTP	TCP	/arning So	oun Contact
	Def	tail Setting						
		ID	🔽 Auto Reco	rd				
			E FTP		-	🗖 ТСР :		
			🗆 Mail 🛛		-	🗖 Warning.		
			🗆 нттр : 🏼		v	🗖 Emergen		~
	÷							$\sqrt{0}$

Noticing a new event action group has been added but the "Detail Setting" section is not available for configuration yet:

YE	VEvent Action Group						
ID	Recording	FTP	Mail	HTTP	TCP	/arning Soun	Contact
1	0	×	×	×	×	×	×
	tail Setting	🗸 Auto Reco	rd				
		F FTP		-	TCP :		-
		T Mail D			Warning.	, 	
		1					
		T HTTP:		*	🗖 Emergen	ev I	· ·
-							$\sqrt{2}$

By default, all the event servers are grayed out as none has been added to the soft- ware yet. Settings of these event servers will be described in the next page.

3.4.1 Event Handling - Mail server

Mail servers are used to send warning emails with pre-defined text content to designated recipients when events are triggered.

Cam Viewer 3 Pro				
	VEvent Action Setting			
System	Overview Event Action Action Group Schedule Server Setting			
Channel	¥ Server Setting			
Intelligent	Mail FTP Server HTTP Server TCP Server Warning So Center Contact ID Sender Name Sender EMail Mail Server ServUser Accilecipient Recipient EMail			
Event Handling				
E-Map				
User Account				
Recording	ID User Account			
Report	Sender Name Password			
Backup	Sender EMail Recipient			
	Mail Server Recipient EMail			
Log View	Server Port 25 Subject Event Trigger Mail			
Save	Content This Mail is from 127.0.0.1			
Exit				
PLANET Networking & Communication				

To add a new mail server, click on the "Add" button at the bottom:

Next, fill in the empty fields like shown below:

2				
15				
ID	2	User Account	test	
Sender Name	Sender	Password	***	
Sender EMail	sender@email.com	Recipient	John Doe	
Mail Server	test.mailserver.com	Recipient EMail	johnd@mail.com	
Server Port	25	Subject	Event Trigger Ma	i l
Content	Warning!! Motion detecte	ed!!		

* Enter a valid public IP address or FQDN (Fully Qualified Domain Name) in the "Mail Server" field

3.4.2 Event Handling - FTP server

FTP servers are used to send warning with pre-defined text content or camera snapshot to designated FTP servers when events are triggered.

Cam Viewer 3 Pro				
System	V Event Action Setting			
System	Overview Event Action Action Group Schedule Server Setting			
Channel	¥ Server Setting			
Intelligent	Mail FTP Server HTTP Server TCP Server Warning So Contact			
Event Handling				
E-Map				
User Account				
Recording	ID Upload Path /			
Report	FTP Server Passive			
Backup	Server Port 21 File Name Cam Viewer 3 Pro_Channel \$E			
Log View	User Account Attach Picture Password			
Save	Content Time : [\$EVT_DATE\$] - A event \$EVT_NAME\$ is triggered @ channel \$EV1			
Exit				
PLANET				

Click "Add" button at the bottom to add a new FTP server:

		shines i am 17
FTP Server		Passive
Server Port	21	File Name
User Account		Attach Picture
Password		
Content		

Fill in the empty fields as illustrated below:

ID 1	Upload Path /	
FTP Server	Passive _	
Server Port 21	File Name Cam Viewer 3 Pro_Channel	\$E
User Account ftp_user	Attach Picture 🗖	
Password ******		
Content Time : [\$EVT_DA	TE\$] - A event \$EVT_NAME\$ is triggered @ channel \$B	EVI
ř ř		Clear settings

Apply setting for the current page

* Enter a valid public IP address or FQDN (Fully Qualified Domain Name) in the "FTP Server" field

* By default, the software uploads files to the top-level directory of the FTP server. Enter the folder name after the "\" in the "Upload Path" field if you would like to soft- ware to upload to a specific folder.

3.4.3 Event Handling - HTTP server

HTTP servers are used to send warning with pre-defined text content or camera snapshot to designated HTTP servers when events are triggered.

Cam Viewer 3 Pro				
	VEvent Action Setting			
System	Overview Event Action	Action Group	Schedule	Server Setting
Channel	V Server Setting			
Intelligent		TP Server TCP Se Account TP Servering Mes		Contact
Event Handling				
E-Map				
User Account				
Recording	ID			
Report	Host Address			
Backup	Server Port 80			
Log View	Password			
Save	Warning M., TEST MESSAGE !			
Exit				
PLANET Networking & Communication	нтр ллге			

Click "Add" button at the bottom to add a new HTTP server:

ID			
Host Address			
Server Port	80		
User Account			
Password			
Warning M	TEST MESSAGE !		

Fill in the empty fields as illustrated below:

ID	L		
Host Address	192.168.0.1		
Server Port	30		
User Account	admin		
Password	****		
Warning M	FEST MESSAGE !		

* Enter a valid public IP address or FQDN (Fully Qualified Domain Name) in the "Host Address" field.

3.4.4 Event Handling - TCP server

TCP servers are used to send warning with pre-defined text content to designated TCP servers when events are triggered.

Cam Viewer 3 Pro	
	¥Event Action Setting
System	Overview Event Action Action Group Schedule Server Setting
Channel	V Server Setting
Intelligent	Mail FTP Server HTTP Server TCP Server Warning So Contact ID IP Address TCP Server Port Port
Event Handling	
E-Map	
User Account	
Recording	ID
Report	Host Address
Backup	Server Port
Log View	
Save	
Exit	
PLANET Networking & Communication	

Click "Add" button at the bottom to add a new TCP server:

	ID
Host Ac	ress
Serve	Port
	TCP Server
тер	

Fill in the empty fields as illustrated below:

ID 1 Host Address 192.168.0.1 Server Port 10		
* -	V	\$

* Enter a valid public IP address or FQDN (Fully Qualified Domain Name) in the "Host Address" field.

3.4.5 Event Handling - Warning Sound

Users can set up sound files in the software and have the software play them when events are triggered. Different warning sounds can be used for different types of triggered events.

Cam Viewer 3 Pro	
	Y Event Action Setting
System	Overview Event Action Action Group Schedule Server Setting
Channel	V Server Setting
Intelligent	Mail FTP Server HTTP Server TCP Server Warning So. Entergency Contact ID Description File Path Warning Sound File Path Warning Sound File Path File Path
Event Handling	
E-Map	
User Account	
Recording	ID
Report	Description
Backup	File Path 😥
Log View	
Save	
Exit	
PLANET Networking & Communication	

Only .Wav file is supported

To Configure, click the "Add" button:

Descr	ription
Fil	le Path 🤌
-4₽	

Put in a description for the warning sound in the "Description" field (as shown below):

ID	1
Description	this is warming sound
File Path	
c) 🚛 🖂	🖬 🖌 🖌 📚 1

Click on the "folder" icon to locate the sound file:

	Select File Path	?
ID 1	査詢①:	• 🎫 *
Description this is warming sound	Wy Virtual Machines produkey 我最近的文件 反 真面 我最近的文件 愛知的 我的自用 我的會供 我的會片 我的多片	
		 ■ ■

You can preview the sound before applying the new configuration by clicking on the "Speaker" button:

ID	1
Description	this is warming sound
File Path	

3.4.6 Event Handling - Emergency

This allows users to create emergency contact information and it can be assigned to a particular channel. This information will be shown in the remote client viewer program under the "E-Map Monitor" when a particular channel is selected:

Cam Viewer 3 Pro	
System	Event Action Setting Overview Event Action Action Group Schedule Server Setting
Channel	Overview Event Action Action Group Schedule Server Setting
Intelligent	Mail FTP Server HTTP Server TCP Server Warning So Emergency ID Contact Information Phone No. Note Note Note Note
Event Handling	
E-Map	
User Account	
Recording	
Report	Phone No.
Backup Log View	Note
Save	
Exit	
PLANET Networking & Communication	

* Refer to page 82 for instructions on how to use E-Map Monitor.

To add information, click "Add" button:

Contact Phone No.]
Note		
	1	

Fill in the empty field with desired information:

ID	1	
Contact	John Doe	
Phone No.	714-555-1234	
Note	Call me when an event is	s triggered!!

Finishing Configuring Action Group

Once you have all the event servers configured, you can go back to the "Action Group" tab and finish the "Detail Setting" section by selecting the desired event servers for a particular event action group:

Overview	Event Ad	tion A	ction Group	Schec	lule Se	rver Setting
V Event Act	ion Group		/1			
ID Recording	g FTP	Mail	HTTP	TCP	/arning Soun	Contact
1 0	0	0	X	X	×	×
-Detail Settij						
ID 1	 ☐ IZ Auto Racc	rd				
	🛛 🔽 FTP 🏓 🛛	FTP #1	•	TCP :		*
	🔽 Mail	test@test.com	•	🗖 Warning		*
	🗖 НТТР : 👖		*	🗖 Emergen	су	*
						$\sqrt{0}$

3.4.7 Event Handling - Event Trigger schedule

The software provides users the ability to set one schedule per channel and only events triggered during the defined schedule will be treated as events and the con- figured event actions will be triggered.

Cam Viewer 3 Pro		
System	Y Event Action Setting	
Channel	Overview Event Action Action Group Schedule Server Setting	Obernel estertion
Intelligent		Channel selection
Event Handling	Event Schedule 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	
E-Map	SUN. MON.	
User Account	TUES. WED.	
Recording	FRI.	Time that has
Report	SAT.	been selected
Backup		
Log View		
Save		
Exit		
PLANET Networking & Communication	$\boxtimes \bigvee \otimes$	
	Clear schedule sel	ection

To configure an event schedule for a particular channel, select one from the top (only the ones available will a checkbox next to the channel number):

107					
×	Ţ			_	

By default, the schedule is set in full:

CH 1	0	1	2	Э	4	5	6	7	0	9	10	11	12	13	14	15	16	17	10	19	20	21	22	2
SUN.																								
MON.																								
TUES.																								
WED.																Ш								
THU.																								
FRI																								
SAT																								

To quickly clear the default setting, click on the "Clear" button as shown below:



Click and hold the mouse then move the house cursor from left to right (horizontally or diagonally) to define (add) new hours or days for event trigger:

•Event	Sch	ed		8		*					1.				
CH 1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
SUN.						10									
MON.							R			Ш					
TUES.							1								TT
WED.										_					
THU.															
FRI.															
SAT															

* Click and hold the mouse then move it from right to left (horizontally or diagonally) will erase the previously added hours/days

3.5 E-map

The software provides E-Map function in a multiple layered structure. Users can place cameras on one map and create a "group" that contains those cameras, and then place the camera "group" on a different map. Users can also create an additional group that contains multiple camera groups and place the new group onto a different map.

When accessing the "E-Map" configuration page in the wizard, you should be prompted with the "Overview" page first:

Cam Viewer 3 Pro											
	YE	-Map Set	ting								
System		Ove	rview			Location	Sett	ng	γ	Detail Set	ing
Channel	ID	Туре		Name .		Associa	tion	Coordina	te X	Coordinate Y	Direction
	0	Map	Home			0		0.0		0.0	0
Intelligent	1	Map	GROUP#1			0		26.0		52.0	0
	1	Camera	CH # 1			0		48.0		63.0	3
Event Handling											
Е-Мар											
User Account											
Recording											
Report											
Backup		E-Map ⁻	Types					Came	era	or Camera	
Log View										osition bas	ed
Save								on co	ordi	inates	
Exit											
PLANET Networking & Communication	• A	dl	C	Camera	1	C Gr	roup				
	-			-			-				
Display all E	E-Ma	aps									
- I ··) •··· -					1	Display	E-M	laps on	у со	ntains came	era groups

Display E-Maps only contains cameras

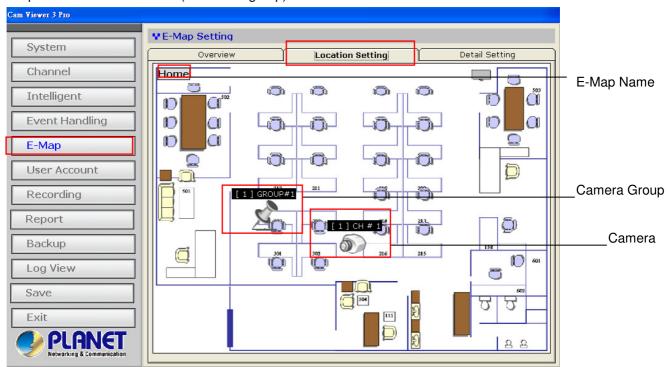
*Cameras and camera groups can exist on the same layer of E-Map

* CV3 Pro supports unlimited layers of e-map.

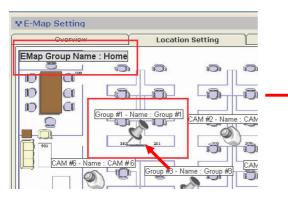
* CV3 Lite supports only 2 layers of e-map.

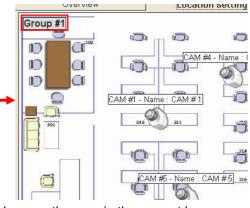
3.5.1 E-map - Location setting

This page is an overview page based on the final E-Map settings. It displays all E-Maps and the positions of each camera (or camera group).

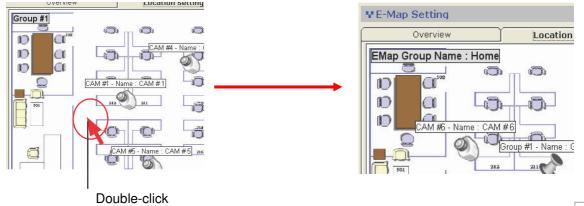


Double-click on a "camera group" (ex. Group 1) icon will direct you to the E-Map that represents camera group 1 and displays the positions of each camera (or cam- era group) in camera group 1.





To go back to the previous layer, simply double-click anywhere on the map in the current layer:



* The position of each camera (or camera group) can not be re-arranged in this page. This can only be done in the "Detail Setting" page.

Locat	ion Setting	Detail Setting		
e	Group Setting	Camera Setting		

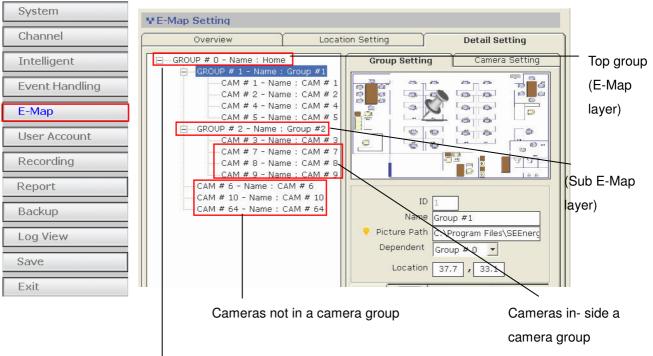
A camera can be quickly placed to a new camera group (a group that's on the same layer) on the fly in this page. To do so, simply click and drag a camera icon then drop it onto a camera group icon:



Drag and drop to place the camera to a different camera group

3.5.2 E-map - Detail setting

This page allows users to define new camera groups, E-Map image, and the positions of each camera (or camera group).



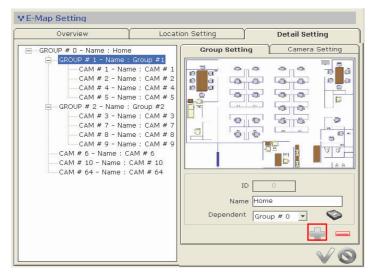
Top group (E-Map layer) Sub group (Sub E-Map layer)

By default, all the cameras should be listed in the tree-view list on the left (as shown below). All cameras should be listed under the "Home" group (or Group#1):

Overview	Location Setting
GROUP # 0 - Name : Home GROUP # 1 - Name : GROUP # 1 - Name : CAM # 1 - Name CAM # 2 - Name CAM # 2 - Name CAM # 4 - Name CAM # 5 - Name CAM # 5 - Name CAM # 3 - Name CAM # 3 - Name CAM # 7 - Name CAM # 8 - Name CAM # 9 - Name CAM # 6 - Name : CAM CAM # 10 - Name : CAM CAM # 64 - Name : CAM	Group #1 e : CAM # 1 e : CAM # 2 e : CAM # 4 e : CAM # 5 Group #2 e : CAM # 3 e : CAM # 3 e : CAM # 7 e : CAM # 8 e : CAM # 9 AM # 6 CAM # 10
	 Pictur Depe

3.5.3 E-map - Detail setting - camera group

To create a new group, click on the "Add new group" button as shown below:



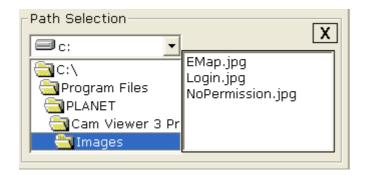
The next available group ID and group name should be automatically filled in to the corresponding fields. If you'd like to configure this group as a sub group of another group, choose the main group from the "Dependent" drop-down menu:

Na	me Group	#1	
Depende			\$

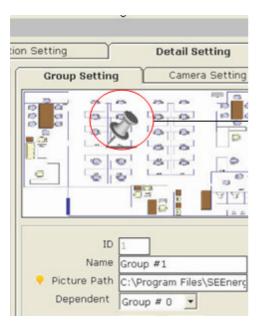
To change the map image, click on the icon (as shown below) to do so:

Group Setting	Camera Setting
Name Home	

Then locate the new map image:



Finally, click on the "camera group" icon and hold the mouse then drag the icon to the desired position on the map to determine its new position.



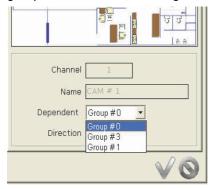
Move the icon on the map to determine its position

3.5.4 E-map - Configure E-Map for a camera

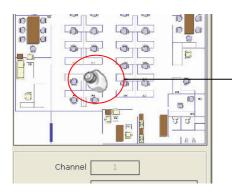
Similar to the instructions described from page $37 \sim 39$, except you click on the camera from the list on the left this time:

Channel	
Name	CAM #
Dependent	Group

The "Channel" and "Name" fields will be automatically filled. Simply select a desired camera group this camera will belong to from the "Dependent" drop-down menu:

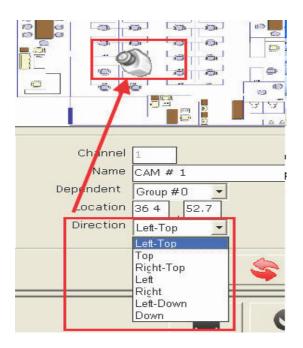


Click and drag the camera icon to determine its new position:



• Move the icon on the map to determine its position

You can also change the camera's pointing direction on the map from the "Direction" drop-down menu based on its actual setup in the real world environment:



3.6 User account

The software provides the option to allow users to set different access privileges and they can be assigned to different user groups. Users can then create multiple user accounts and assigned them to different user groups to determine the access privilege of each user account.

System	ΥU	ser Settir	ng					
System			User Setting	9		User Group Se	tting	
Channel	ID	Name	Company	Phone No.	Primary EMail	Second EMail	User Group	Click and select
Intelligent	1	admin user 2	-		- 		1 - [Admin Grc 1 - [Admin Grc	an existing use
Event Handling								from the list
E-Map								and click the "-"
User Account	•	Í					•	button to
Recording		ID Name	1 admin		Phone No. Primary EMail			remove a user
Report		Password Confirm	*****		Second EMail	I - 1 - [Admin Group]		
Backup		Company	-					
Log View							· \$	
Save						T	3	
Exit	-					<u>.</u>	الا ــــالار الـــــ	

Add new user Remove user

* By default, the software does not have any user account/user group created. It's strongly recommended that you create a user account to prevent unauthorized access to the software.

* Please do not create an additional user group account that has less access privilege and assign the only user account to that group. You will be asked to log in next time you start the software which you will then only have limited access.

* You can not create a user account until you create a user group (the first user group will be the "Admin" group)

3.6.1 User account - User Group

To create a new user group account, click on the "User Group Setting" tab and click on the "Add Group" button at the bottom:

	♥User Setting	
System	User Setting	User Group Setting
Channel	ID Name 1 Admin Group	
Intelligent		Name Live CH List
Event Handling		
E-Map		PTZ Control CH List
User Account		Playback CH List
Recording		1 2
Report		
Backup		
Log View		
Save		
Exit		
		$\checkmark \odot$

You will then be able to assign access privileges to the new group. You may also change the name of the group if you wish:

3.7 Recording

The recording configuration page allows users to configure the followings:

- * Quickly enable/disable certain types of recording
- * Recording storage path
- * Recording frame rate of each recording type on each channel
- * Pre-alarm/Post-alarm time
- * Schedule recording

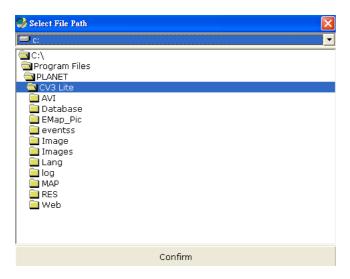
		Overv	iew		Record	ding Sett	ing		Sch	iedule	
	СН	Contin	Schedule	Event	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
System	1	X	X X	0	X	×	X	Х	X	X	X
oyotem	2	A	<u>^</u>	0	-	-	-	-	-	-	-
Channel											
Intelligent											
Event Handling											
Е-Мар											
User Account											
Recording	III CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE	rding Gener torage P									-
Depart							_			_	
Report	ID	Free S	pace	Total S	pace			Storage	e Path		
Backup											
Log View											
Save			∏ Max. R	etain [7 D	ays				a //	
Exit											V

You should first be prompted with the overview page that displays the current recording configurations of each channel and the storage path.

To add a new storage path, click on the "Add" button (as shown below):

ID	Free Space	Total Space	

A new dialog should be prompted which you can select a new path to store the recording data:



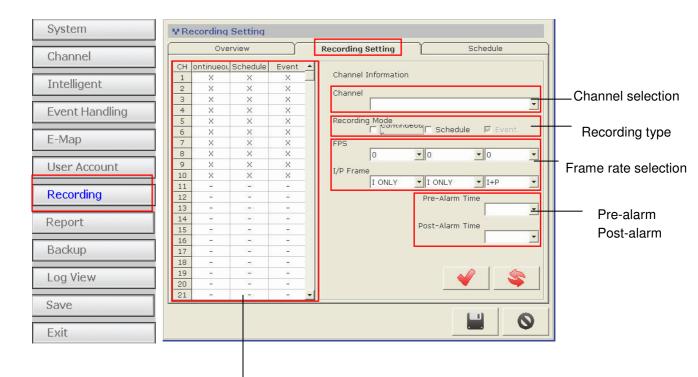
You can also configure the software to always keep the previous number of days of recording data if you wish to do so:



3.7.1 Recording - Setting

You can configure the detail recording settings in the "Recording Setting" page. In this page, you can configure the followings:

- * Enable/disable recording types
- * Recording frame rate
- * Pre-Alarm/post-alarm time

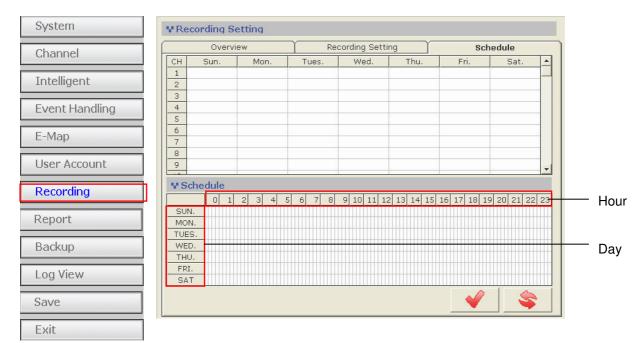


* The "FPS" is available only if the video for- mat of the selected channel is MJPEG.

* The "I/P Frame" is available only if the video format of the selected channel is MPEG4 or H.264

3.7.2 Recording - Schedule

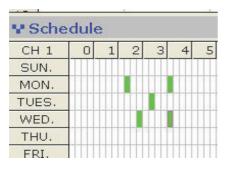
Schedule recording allows users to set the software start and stop recording automatically within the scheduled time frame:



To configure schedule recording for a particular channel, click on one of the channel from the "CH" column in the upper-left hand corner. Then you can edit the recording schedule of the selected channel in the "Schedule" section:

Overview		Re	cording Settir	ng			
СН	Sun.	Mon.	Tues.	Wed.	Thu.		
						Double	-cli
2							
3 4							
5							
6							
7							
8							
9							
• Scl	hedule						
CH 1	1 0 1	2 3 4 5	6 7 8	9 10 11 12	13 14 15 1		
SUN							
MON							
TUES	5.						

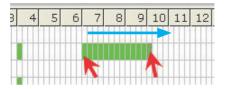
Next, click on the cell boxes on the schedule table to configure the desired recording time. Selected cell boxes will be marked in green which means recording will be started at that particular time of that particular day:

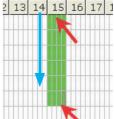


* Each cell box represents 15 minutes

To set the software to record in consecutive hours on a particular day, click on a cell box (as the starting point) and hold the mouse then move it horizontally. Release the mouse when you are done.

To set the software to record on consecutive days during a particular hour, click on a cell box (as the starting point) and hold the mouse then move it vertically. Release the mouse when you are done.





Click and drag the mouse horizontally to set consecutive hours

Click and drag the mouse vertically to set consecutive days

* Click and drag the opposite direction to clear previously selected time frame

3.8 Backup

The software provides the backup function which can back up the followings:

- * Media database: Recorded data in the database format
- * AVI export: Recorded data exported to AVI file format
- * Configuration: The configuration files of the software

Cam Viewer 3 Pro		
System	Y Backup	
Channel	Media Database AVI Export Configuration	
Intelligent	Channel List	
Event Handling		Available channels
E-Map		Unavailable channels
User Account		
Recording		Default backup
Report	C:\Program Files\PLANET\Cam Viewer 3 Pro	directory
Backup	□C:\ □ Program Files Begin Time: 2010/9/23 ●上午 08:02:37	Begin time and
Log View	C End Time: 2010/9/23 上午 09:02:37 🚍	time length of the
Save	Database EMap_pic eventss	backup file
Exit	Images	
PLANET		
Networking & Communication		Click to start the
	\downarrow \downarrow	backup process
	Change backup path here Backup progress	

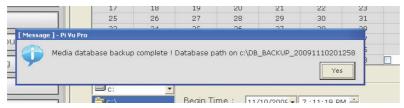
3.8.1 Backup - Backup media Database

To backup the media database, follow the procedures below:

- * Select channels from the "Channel List" to back their media database
- * Change or accept the default backup directory
- * Set the "Begin Time
- * Set the "End Time" or select the "Export length"

* Click 🔊 to begin the backup process

You should be notified once the process completes. The stored file name and the storage directory should also be displayed:



3.8.2 Backup - AVI Export

The software provides the function to allow users to backup the recorded file of one or more channels and export them as AVI file format. The file can then be played by the bundled media player.

Cam Viewer 3 Pro										
	¥ Backup				_					
System	Media C)atabase	AVI Ex		Configura					
Channel	V AVI Expo	V AVI Export								
Intelligent	Channel L	List						Available		
Event Handling	1	- 2		-	-	-				
	-	-		-	-	-	-			
E-Map	-	-		-	-	-	-	Unavailable		
User Account	-	-		-	-	-		channels		
	-	-		-	-	-	2.52			
Recording										
Report	Begin	Time : 201	.0/9/23 🖌 上午(08:02:37						
Backup	C Enc		.0/9/23 -上午(Begin time and		
		ort length (Mir		19.02.01 <u>BI</u>				time length of		
Log View			•					the backup file		
Save								the backup hie		
Exit	AVI FI	e Max Size	640							
PLANET	Expor	t Progress	l	0%						
PUTING & Communication										
								_		
							•			
			¥			Click to	o start the	e backup process		
			Backup prog	gress						

* The default directory that stores the exported AVI files is C:\Program Files\PLANET\CV3

Pro\AVI and this can't be changed.

3.8.3 Backup - Configuration Backup

To export the recorded video to AVI, follow the procedures below:

- * Select channels from the "Channel List" for AVI export
- * Set the "Begin Time
- * Set the "End Time" or select the "Duration time"

* Click k to begin the backup process

In the "Configuration" page, you can backup the current settings or restore a previously saved configuration file.

Cam Viewer 3 Pro		
System	Y Backup	
	Media Database AVI Export Configur	ation Change backup
Channel	W Backup	directory here
Intelligent	C:Program Files/PLANE NCam Viewer 3 Pro/DataBase	
Event Handling		
E-Map	Program Files	
User Account	Cam Viewer 3 Pro	
		Click to start the backup
Recording	V Restore	
Report	Backup Time	
Backup		Locate a previously save
Log View	Program Files	
Save	Cam Viewer 3 Pro	configuration file
Exit		
PLANET Networking & Communication		
		¥

Click to start restoring

To backup the configuration file, select a folder of where you would like the configuration file to be saved to and click "Backup":

Backup Path : C:\Program Files:SEEnergy Corp\Pi Vu Pro\DataBase	kup
---	-----

Change backup directory here

You should be notified once the backup is completed successfully (as shown below):

	Program Files
[Messag	e] - Pi ¥u Pro
9	Databases backup success!
estore	
	C: 20091110201521

To restore a previously saved configuration file to the system, locate the file first and then click "Restore"

	🗐 c: 🗾 🗸	20091110201521	Backup Time	Legate a provinually payor configuration file
1	C: Program Files SEEnergy Corp Pi Vu Pro CataBase		2009.11.10 20:15:21	Locate a previously save configuration
	eventss 📄		<u></u>	Click to start restoring

You should be prompted to confirm the restore process: (as shown below)

[Message	e] - Cam Viewer 3 Pro
P	Confirm to restore database? (Need to exit Config program and restart it)

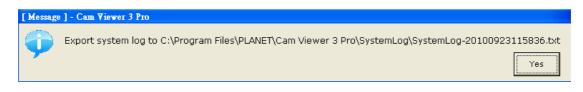
Click "Yes" and restart the configuration wizard to complete the restoration.

3.9 Backup - Log View

The software provides a detailed log which records what has been done and who has done what to the software:

System	ID	Time	Туре	Sub-type	СН	AP	IP	Us
Channel	1	2010/09/23 11:55:48	Login	Login		PLANET Technology	127.0.0.1	
Channel	2	2010/09/23 11:53:39	Channel	Channel Connect	1			
Intolligant	3	2010/09/23 11:53:35	Service	Service Start				
Intelligent	4	2010/09/23 11:53:15	Service	Service Stopped				
	7 5	2010/09/23 11:53:12	Login	Logout		PLANET Technology	127.0.0.1	
Event Handling	6	2010/09/23 09:02:22	Login	Login		PLANET Technology	127.0.0.1	
	7	2010/09/23 08:52:00	Channel	Channel Connect	1			
Е-Мар	8	2010/09/23 08:51:54	Service	Service Start				
	- 9	2010/09/21 18:45:49	Service	Service Stopped				
Jser Account		2010/09/21 18:30:43	-	Channel Connect	1			
		2010/09/21 18:30:38		Service Start				
Recording	12	2010/09/21 18:30:23		Service Stopped				
		2010/09/21 18:30:22	-	Logout		PLANET Technology	127.0.0.1	
Report		2010/09/21 17:40:11		PTZ Stop	1	PLANET Technology		
		2010/09/21 17:40:01	-	PTZ Start	1	PLANET Technology		
Backup	16	2010/09/21 17:34:05		PTZ Stop	1	PLANET Technology		
	17	2010/09/21 17:33:55	Camera	PTZ Start	1	PLANET Technology		
_og View	18	2010/09/21 17:31:40	Camera	PTZ Stop	1	PLANET Technology	127.0.0.1	
		2010/09/21 17:31:30		PTZ Start	1	PLANET Technology	127.0.0.1	
Save	20	2010/09/21 17:24:52	Service	Service Reload				
5440	21	2010/09/21 17:21:51	. Camera	PTZ Stop	1	PLANET Technology	127.0.0.1	
Exit		2010/09/21 17:21:41		PTZ Start	1	PLANET Technology		
LAIL		9010/00/91 17-90-49	Camora	DTZ Stop	1	DI ANET Tochoology	197 0 0 1	

Click "Export" to export the log file to text file. You should be prompted once it's exported successfully and the directory of where it's saves to would also be displayed:



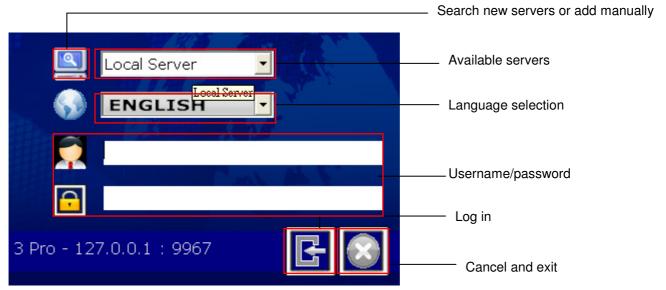
4.0 Client Viewer - Log In

Client Viewer is the program that connects to the Cam Viewer 3 Pro server and performs certain functions to it. Once the client viewer is started, you should be prompted with the login screen.



The login screen provides the following options:

- * Connect to a Cam Viewer 3 Pro server (local or remote)
- * Display language
- * Login username and password



4.1 Client Viewer - Add Servers

You can select available servers from the drop-down menu at the login screen or you can click on "..." to add new servers.

		Sec. 1
	Local Server	-
- SD	ENGLISH	
<u> </u>		

The server list dialog should be displayed as shown below:

Server Lis	st			Ľ	<u>×</u>		
ON	IP	Server Port	Name	Description]		
127.0	.0.1	9967	Cam Viewer 3 Pı				
[Network	< Setting-]	1		
	IP Add	ress					
	Server	Port					Required informati
	User Na	ame					access a new serv
	Passv	vord					
	Descrip	tion					
	· · ·						
		E					
						Ca	ncel
server	Ad	ld new serve	•	Remov	e server		
			Modify serv	er			

* Cam Viewer 3 Pro can only access servers within the same LAN

To add a new server manually, enter the corresponding information in all fields on the "Server List" dialog and click "Add":

Bitrate(Kb) IP Addres	s 127.0.0.1
Server Por	
User Nam	e admin
Password	d *****
Description	n New server

* The "server port" is the port that's used for video streaming. By default, Cam Viewer 3 Pro uses port 9877

The new server will then be added and you should find it on the server list:

ID	IP	Port	Name	Description	
0	127.0.0.1	9877			
1	192.168.102.7	9987			

To change its settings, click on it from the server list and click the "Modify server setting" button:

Sei	ver List				<		
ON	IP	Server Port	Name	Description			
	127.0.0.1	9967	Cam Viewer 3 Pi				
	192.168.102.7	9987					
-Ne	twork Setting	'					
	IP Add		<u> </u>				To remove, simply on
	Server	Port	\neg				the "Remove server"
	User N	ame				/	
	Passv	word					button
	Descrip	otion					
		E					

4.2 Client Viewer – Live View

Search New Servers Automatically

You can also perform an auto search and the software should be able to find servers that are available on the same subnet:

Service	Service	3.11.30	
Service	Service		
Service	Service		
		Service	

A new dialog should be prompted and displays the search progress:

🛄 Server List			×
Settin	g IP Address	Brand	Model

New servers that are found should be listed in the list on the top:

Į	Serv	ver List			
[
		Setting	IP Address	Brand	Model
			192.168.102.7		

Client Viewer - Add Servers

Double-click on it should direct you back to the previous dialog and you should find it listed on the server list:

ID	IP	Port	Name	Description
0	127.0.0.1	9877		
1	192 168 102 7	9987		
2	192.168.11.30	9877		Serach Service

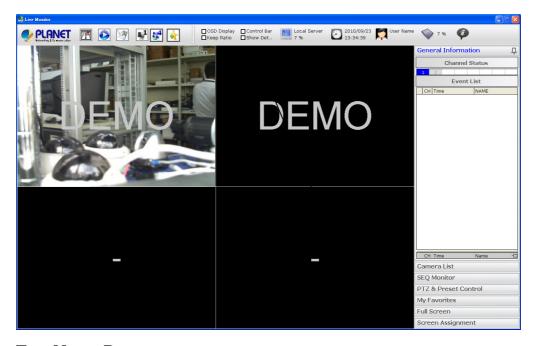
The newly added server would be listed in the drop-down menu at the login screen next time you log in:

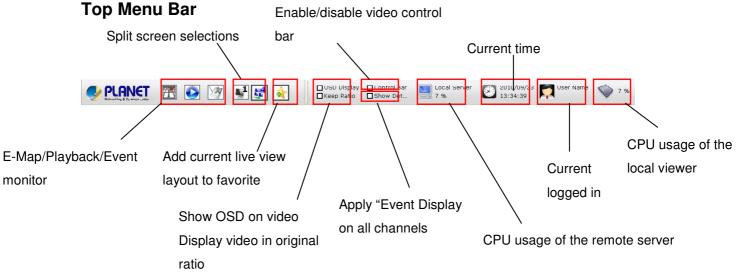


4.2.1 Client Viewer - Overview

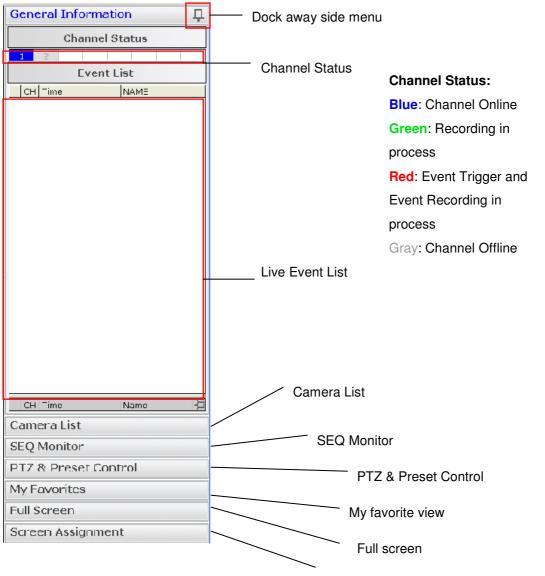
The software basically provides the following functions for the live view:

- * Change screen layout (views in various numbers of split screens)
- * Show OSD and sequence viewing
- * Display videos in their original ratio
- * Server and channel status
- * Audio
- * Snapshot of live videos
- * On-screen event warning
- * PTZ and Digital PTZ controls
- * Manual recording
- * Image enhancement



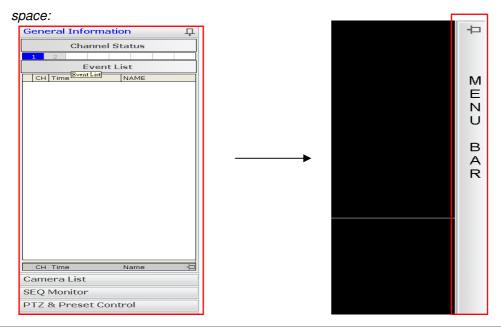


Side Menu



Screen Assignment

* Despite of full screen mode, the side menu can be "docked away" to allow maximum viewing

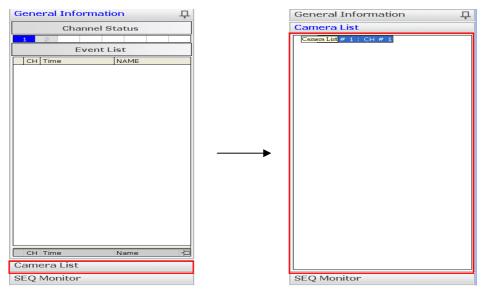


4.2.2 Client Viewer - Adjust Viewing Layout

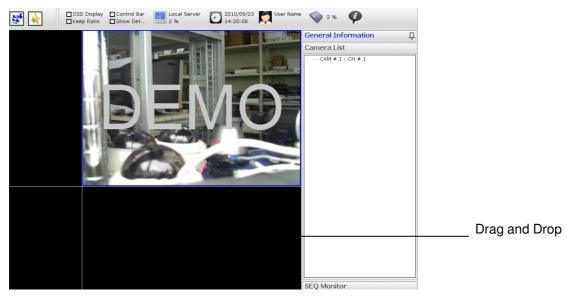
The software offers various viewing layouts which allow users to determine how many videos can be displayed at once. Users can select from the available split window options on the top to changes the viewing layout:



Once the layout is determined, users can quickly decide which channel they would like to view by selecting cameras from the "Camera List" which is available from the side menu:



Simply click and drag a camera from the list and drop it onto a desired video window on the left:



Add Current Viewing Layout to "My Favorite"

Once you have finish placing the desired cameras on the chosen layout, you can click on the "Add Favorite" button to save the layout as a profile:



Click "Yes" to confirm:



You can find all the "Favorites" from the side menu under "My Favorites":

My Favorites	
	🚖 🛠 🚖
Name	Monitor
Favorite 20100916155448	4
Favorite 20100923142618	4

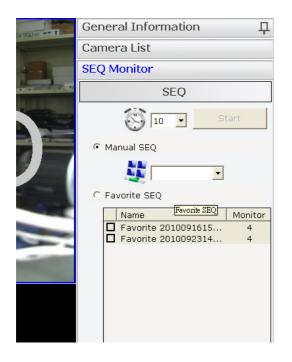
You can also:

- * Add new favorites
- * Edit settings of existing favorites
- * Remove existing favorite's right from the "My Favorites" side menu:

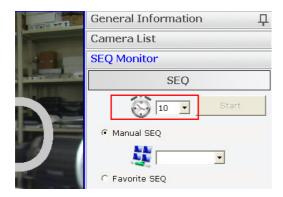
		Edit favorite
My Favorites		
	🚖 🕱 🚖	Remove new favorite
Name	Monitor	
Favorite 20100916155448	4	Add new favorite
Favorite 20100923142618	4	

4.2.3 Client Viewer - SEQ Monitor Manual SEQ

SEQ (Sequence) Monitor is a function that displays videos of the selected channels (or favorites) and they are switched automatically with definable interval. The SEQ Monitor can be accessed from the side menu under "SEQ Monitor":



To configure the software to automatically sequence the videos of the selected channels, decide the sequence interval first from the drop-down menu (as shown below):



Next, choose how many channels you would like to view at once by choosing an option from the drop-down menu under "Manual SEQ", and then click "Start":

(*Options are given depends on the number of channels available in the software)

Cam Viewer 3 Pro User's Manual

-	SEQ Monitor		
at a s	SEQ		SEQ
	Start	→	iso ▼ Start General SEQ
	Manual SEQ SEQ Favorite SEQ		C Favorite SEQ

"My Favorites" SEQ

Other than viewing the channels you manually selected in sequence automatically, the software can also be configured to sequence the "My Favorites". Simply check the ones you like from the "Favorite SEQ" list and click "Start":

SEQ	
1 💮 10 💌	START
C Manual SEQ	3
U	•
Favorite SEQ	
Name	Monitor
Favorite 2009111415.	16
E Favorite 2009111415.	16

4.2.4 Client Viewer - Full Screen

The software can detect the number of monitors are currently installed on the PC and display different function pages or live videos onto those monitors. The software supports up to 5 monitors and live videos can be assigned to be displayed onto all 5 monitors in full screen. (**Live Monitor only supports 2 full screens*)

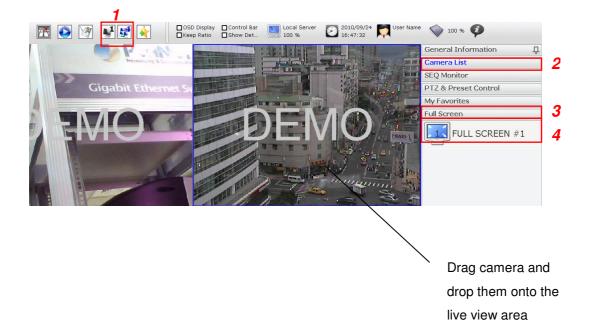
The software is capable of displaying up to 16 live videos on each monitor when in full screen. To enter full screen,

1. Select the screen layout from the top bar

2. Choose the channels in camera list from the side menu and drop them onto the live view area

3. Click "Full Screen" from the side menu

4. Choose the monitor to go full screen



* Windows OS assigns an "ID" number for each monitor installed on the PC; the NVR software uses the same ID number for displaying videos in full screen or different function pages.

Functions Available When in Full Screen

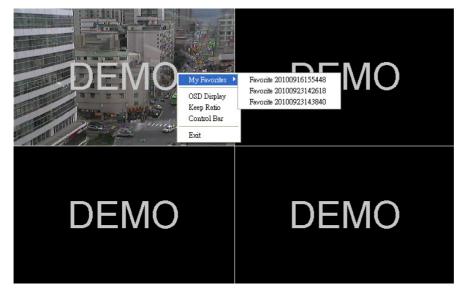
There are various functions provided when in full screen for maximum flexibility and convenience. You can:

- * Switch among different "My Favorite"
- * Enable/disable display of OSD
- * View all videos in their original ratio
- * Turn on/off video window control bar (more details about this function on page)

To access these functions, right-click anywhere on the screen when in full screen:



Switch among different "My Favorite" by right-clicking anywhere on the full screen, and go to "Favorite". Select a "Favorite" from the pull-down menu:



If "Show OSD" is clicked, the OSD will be displayed on all videos, which display the channel number and their current frame rate

Cam Viewer 3 Pro User's Manual



If "Keep Ratio" is clicked, all videos will be displayed in their original ratio:



Before



After

To turn on the video window control bar, right-click anywhere on the full screen and click "Menu Show", and then hover the mouse onto any video window:



4.2.5 Client Viewer - Screen Assign

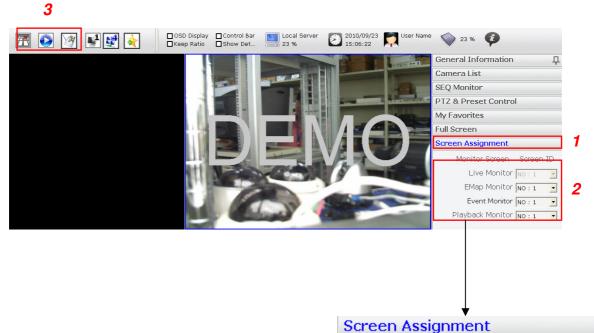
As mentioned in the previous page that the software can display either live videos in full screen or different function pages on up to 5 monitors, users can configure which monitor displays which function page.

To do so:

1. Click "Screen Assign" from the side menu

2. Assign monitors based on its ID number in the drop-down menu for the listed function pages

3. Access the function pages from the top bar



Monitor Screen Screen ID Live Monitor No : 1 EMap Monitor No : 1 Event Monitor No : 1 Playback Monitor No : 1

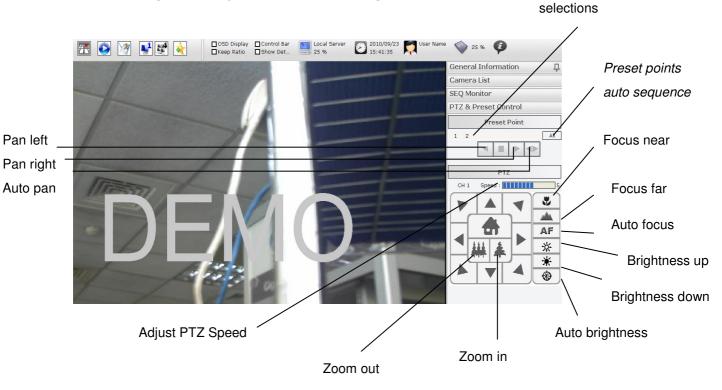
4.2.6 Client Viewer - PTZ & Preset Control

The software comes with various controls for PTZ cameras. They are provided in the virtual PTZ panel from the side menu. The control includes:

* Pan, tilt, zoom and PTZ speed adjustment

- * Preset points (total 8) monitor, go to preset "Home" point and preset sequence viewing
- * Pan right, pan left, and auto pan
- * Manual focus adjustment and auto-focus
- * Manual brightness adjustment and auto brightness

Preset points



The software also offers a more intuitive way to control PTZ cameras with the "mouse-over-video" PTZ controls. That is, users can click (right-click) on the video to pan and tilt view points, and to use the mouse scroll button to zoom in/out. This feature is only available for PTZ cameras and you can tell it is available when the "red cross" and "red arrow" are shown on the video:

* For "non-PTZ" cameras, the software provides the "digital PTZ" function which is mentioned in page.



* The closer the red arrow is to the red cross; the lower the PTZ speed will be applied.

4.2.7 Client Viewer - Video Window Control Bar

The software provides a "quick access" to certain functions for live videos with a "mouse-over-video" control bar. This function is turned off by default and can be turned on from the top bar (as shown below):



Once enabled, hover the mouse onto any video window and the control bar should appear on top of the video window:



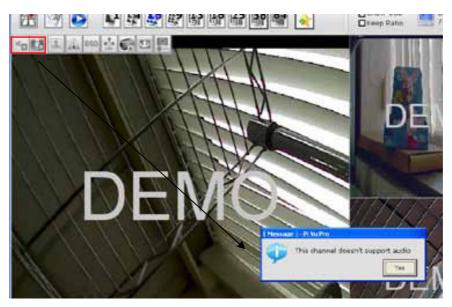
The control bar provides the following functions:

- 1. Turn on/off audio
- 2. Audio post
- 3. Snapshot
- 4. Display warning on video when an event is triggered (On-Video Event Display)
- 5. Display OSD
- 6. Digital PTZ
- 7. Start/stop manual recording
- 8. Keep ratio
- 9. Image enhancement

4.2.8 Client Viewer - Video Window Control Bar

Audio

If a camera does not support the audio function, a pop-up message will be displayed when the audio button is clicked. This is to notify the user that this channel does not support the audio function:



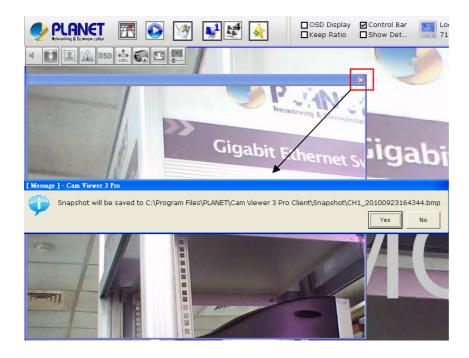
Snapshot

When this button is click, the software takes a snapshot of the video. A new dialog should



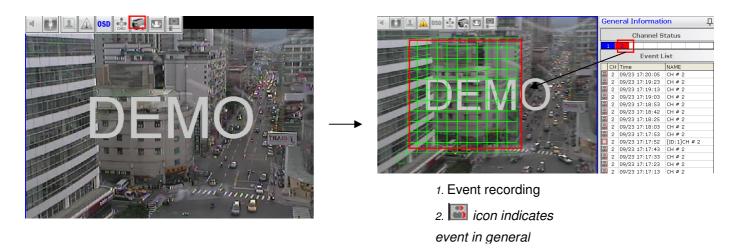
appear and display the snapshot of the video:

Simply close the dialog window and the snapshot will be saved automatically. A pop-up message indicating where the image is saved will also be displayed:



Event Display

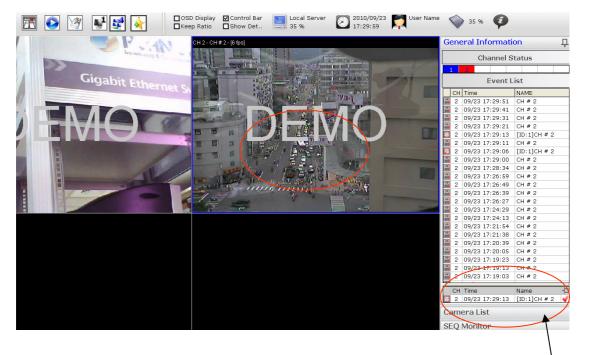
The event display is a function that helps users quickly identify when there are events going on one or more channels. The movement in the video will be marked with small green cubes:



* Motion detection must be enabled and configured in the " Config Wizard" before this function can work properly. For configuration regarding motion detection, refer to page 22 for details.
* You can also enable "Event Display" on all channels by checking
"Show Detect" from the top bar

Certain types of events will be displayed under different section at the bottom of the event display list. They are:

- 1. Camera Tampering Detection
- 2. Object Loss Detection
- 3. Foreign Object Detection



Double-click to reset the detection

The reason for this is that the software needs the users to manually acknowledge the event detection for the detection to be resettled and start detection over again. Without users manually acknowledging the detection, the warning would stay on the screen in case the users are not in front of the monitor and can then be reminded when they return.

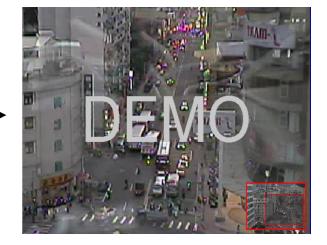
To acknowledge the detection, simply double-click on the red check mark and then the detection would be resettled.

To use digital PTZ, enable the function from the video window control bar first:



The mouse cursor should turn into a magnifier when you hover the mouse onto one of the video windows. Click and drag diagonally on an area you would like to zoom in:





Before

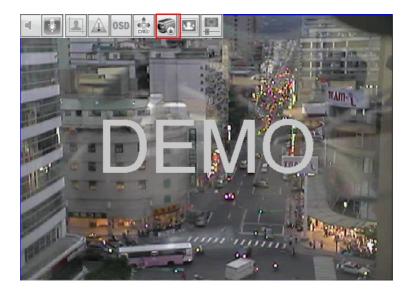
After

* Once the video is zoomed in, the mouse cursor will turn into the icon which you can click and drag to move within the zoomed area.

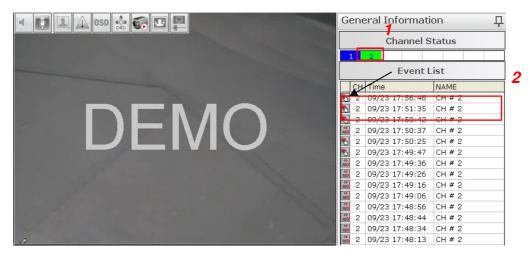
* Use the scroll button on the mouse to zoom in further or zoom out. Right-click on the video to exit the digital PTZ mode.

Manual Recording

You can quickly start manual recording from the video window control bar when seeing something abnormal from the live video. Click the same button to stop:



Once the manual recording starts. You can find the corresponding changes in the UI in "Channel Status" and "Event List" from the side menu:



* Channels marked in green means "manual recording" is currently in progress.

Image Enhancement

This function is aimed to improve the interpretability or perception of information in images for human viewers. Simply enable this function from the video window control bar to see the difference:



Before

After

4.2.9 Client Viewer - Server and Channel Status

You can obtain the detail information about the server and the current status of each channel by clicking "Local Service" from the top bar:

🚅 💐 🙀	□OSD Display □Keep Ratio	Control Bar	Local Server 20 %	2010/09/23 18:17:06	User Name	20 %
-------	-----------------------------	-------------	----------------------	------------------------	-----------	-------------

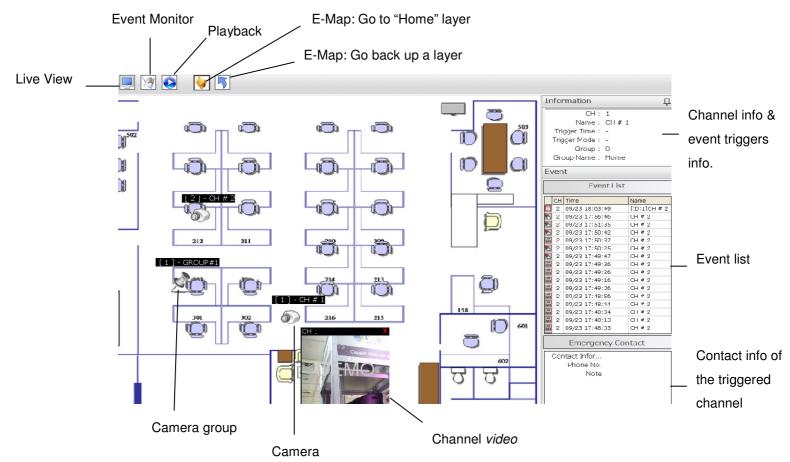
It opens up a new dialog which displays detail information of the followings:

- * Server CPU usage
- * Total Bandwidth consumption
- * HDD usage and recycle status
- * Channel number and name
- * Channel IP address
- * Channel Status (Connected/Disconnected/Recording...etc)
- * BitRate consumed by each channel
- * Current frame rate of each channel

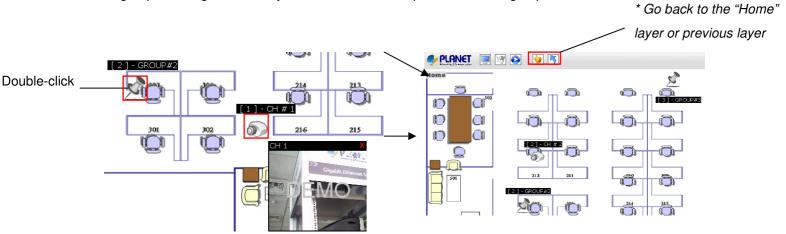
					Curr	ent Cha	annel		
						C	urrent Frame Ra	ate Current BitRate	
Serve	r Information							×	
		ç	Server Name Server CPU Usage Free Space Total Space	25.9 GB			Model Ca HDD In Recycle : No Recording Time Length 0. Recording Write Speed 0.		nnel Status:
1 2 - - - - - - - - - - - - - -			2.9M bps - 465K 0ps - - - - - - - - - - - - - - - - - - -					Blue Gree proce Red: Even	Event Trigger and
-	CH IP Addres Bran MAC Video Forma Audio Forma	s - 1 - 2 -				Name HTTP Port Mode Video ID Resolutior PTZ	- - -	Gray	: Channel Offline

4.3 Client Viewer - E-Map Monitor

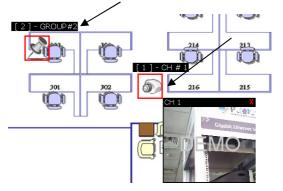
E-Map Monitor provides monitoring with instant event notifications with the geographical information of each camera (and camera group). Small-sized video of a channel will be shown on the map during a trigger of an event.



The E-Map Monitor displays the top layer of E-map by defaults. Double-click on the camera group icon to go down a layer and enter the E-map of the camera group.

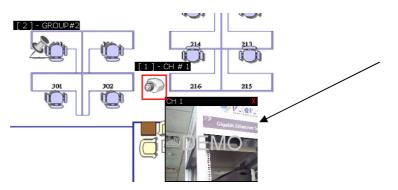


When there is an event going on, the camera icon (or the camera group icon) will be surrounded with red square flashes on the map:

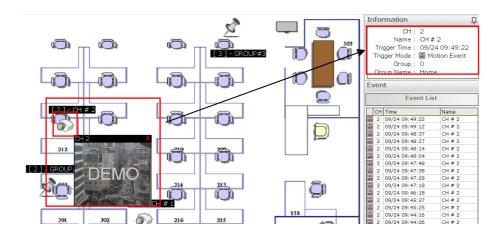


Double-click on the "camera group" icon will direct you to the E-map of that camera group (like what's shown on page 66)

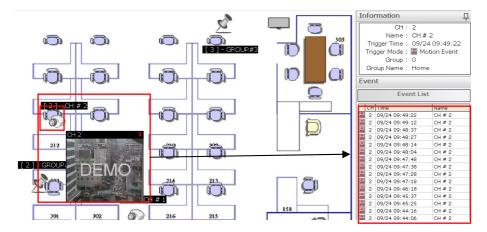
Double-click on the "camera" icon" will display the small-sized video of that channel:



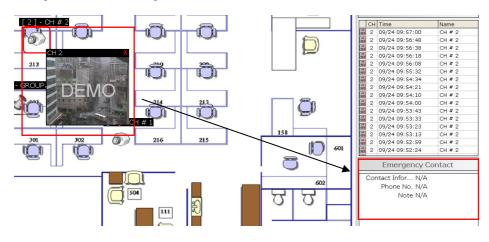
Once the "camera" icon is clicked, its channel information and event trigger information will be displayed on the side bar:



The triggered events will be listed on the side bar:



The contact info of the channel will also be displayed on the side bar if this has been configured in the "Config Wizard":



Event Monitor is a function that plays back "event only" videos. It's a convenient tool that allows users to play through a list of event recordings that are happening at the moment:



Events will be listed on the side bar and clicking on any one of them will instantly play back the recording:



The channel information and contact information of that particular channel will also be displayed on the side bar:



The software also displays thumbnail images of the most recent events. The image gets replaced whenever there are new events coming in:



The mini-sized E-Map available at the lower-left hand corner displays the location of the



History Events

By default, the Event Monitor page displays "live" events which, events listed on the side bar gets refreshed automatically whenever new events are triggered.

Eν	Event List 🏾 📮					
	СН	Time	Name			
	2	09/24 10:14:57	CH # 2			
	2	09/24 10:14:44	CH # 2			
	2	09/24 10:14:34	CH # 2			
	2	09/24 10:14:24	CH # 2			
**	2	09/24 10:14:14	CH # 2			
**	2	09/24 10:14:04	CH # 2			
**	2	09/24 10:13:42	CH # 2			
**	2	09/24 10:13:32	CH # 2			
**	2	09/24 10:13:22	CH # 2			
**	2	09/24 10:12:51	CH # 2			
**	2	09/24 10:12:41	CH # 2			
	2	09/24 10:12:31	CH # 2			
**	2	09/24 10:12:21	CH # 2			
**	2	09/24 10:12:11	CH # 2			
···)	2	09/24 10:12:01	CH # 2			
**	2	09/24 10:11:47	CH # 2			
In	for	mation				
		Channel Info	ormation			
CH : 2 Name : CH # 2 Time : 09/24 10:14:57 Trigger : Motion Event Status : Live Display						
Emergency Contact						
Contact Infor N/A Phone No. N/A Note N/A						

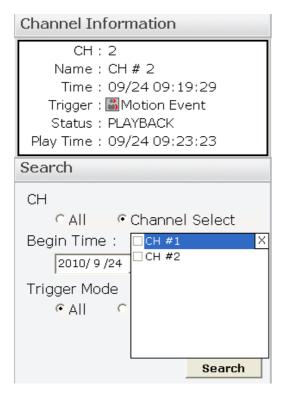
If you want to access the older events without going to the Playback page. You can access the "History Events" from the top bar in Event Monitor page:



The History Event page should be displayed with the similar user interface with only the difference of letting users to "search" the older events. The search function is available at the lower-right hand corner on the side bar:



To perform search, select which channels to perform search on by choosing either "ALL" or "SELECT", which gives you a drop-down menu to select channels:

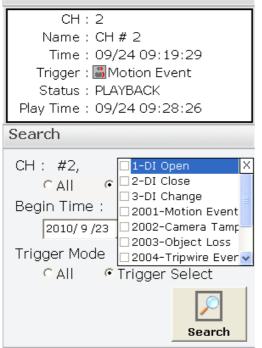


Channel Information							
CH : 2 Name : CH # 2 Time : 09/24 09:19:29 Trigger : 🎒 Motion Event							
Pla	•		ኪ	月 201	10		►
Sea CH				<u>星期三</u> 1 8 15		<u>星期千</u> 3 10 17	<u>星期</u> 4 11 18
Be		27 4 Toda	28 5 y: 20 1	29 6 LO/9/	30 7 24	24 1 8	25 2 9
Tri	gger	Mod	e	上午 C			
	ΦĄ	11	0 Ir	igger		\mathbf{i}	
					S	earch	1

Then determine a start time by using the drop-down menu:

Finally, you can either search all events or set up a filter to search a particular type of event only:

Channel Information



Results will then be listed. Simply click on to start playback:

E١	Event List 🌐 📮					
	СН	Time	Name			
	2	09/24 09:33:48	CH # 2			
00 00)	2	09/24 09:34:01	CH # 2			
**	2	09/24 09:34:13	CH # 2			
))	2	09/24 09:34:27	CH # 2			
	2	09/24 09:35:27	CH # 2			
00 00)	2	09/24 09:36:01	CH # 2			
**	2	09/24 09:36:11	CH # 2			
) ())	2	09/24 09:36:26	CH # 2			
*) 111)	2	09/24 09:37:17	CH # 2			
) ())	2	09/24 09:38:12	CH # 2			
)	2	09/24 09:38:22	CH # 2			
	2	09/24 09:39:44	CH # 2			
)	2	09/24 09:40:05	CH # 2			
	2	09/24 09:40:15	CH # 2			
)	2	09/24 09:41:22	CH # 2			
** ***	2	09/24 09:41:52	CH # 2			
Cł	har	nel Information				
F	CH : 2 Name : CH # 2 Time : 09/24 09:34:13 Trigger : Motion Event Status : PLAYBACK Play Time : 09/24 09:34:13					
Search						
CH ⓒ All ⓒ Channel Select						
В	legi	in Time :				
	2010/ 9 /24 🖌 上午 09:34:13 🕂					

Playback should then start and the corresponding channel information and camera's geographical information would also be displayed accordingly:



The "Event Image List" at the bottom would display the thumbnail images of the events with the time that is the closest to the event trigger time of the channel that was just selected for playback.



For control of the playback, check "Playback Control Bar" from the top and it should appear in the playback video window:

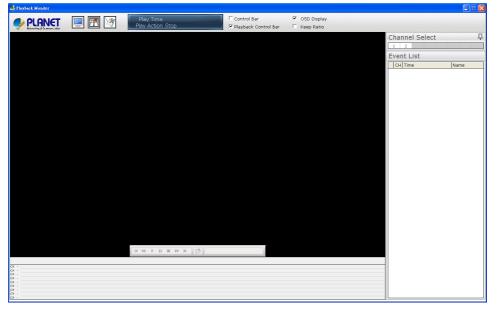


4.4 Client Viewer – Playback

Playback provides functions to allow users to playback all recording data of all channels while offering additional features to assist users to find what they are looking within the shortest period of time and to enhance the playback experience. These features are:

* Display all available recording data at the bottom and display "event only" recordings of the selected channels on the side bar

- * Capture screenshot
- * Digital PTZ
- * Image Enhancement

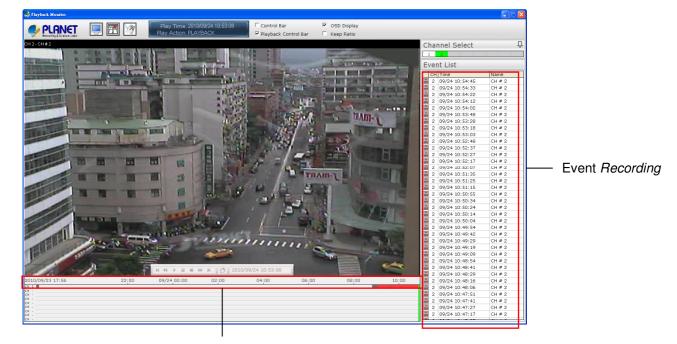


To start search recordings, simply select desired channels from the channel list at the upper-right hand corner:

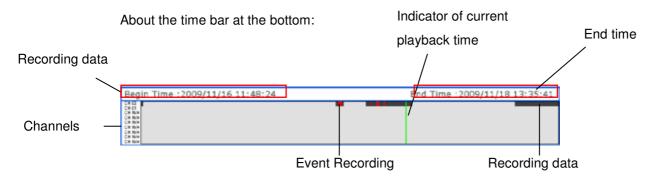
Channel Select		무
1 2		
Event List		
CH Time	Name	

* You can select up to 9 channels as the software supports 9 channel synchronous playbacks.

As soon as the channels are selected, their recording data should be display in the bottom bar as well as the side bar (If there are event recordings):



Recording data



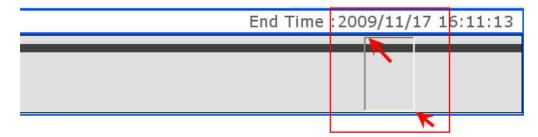
* Areas that are marked in dark gray: regular recording data

* Areas that are marked in red: event recording data

* Green Playback indicator: indicating the progress of the playback

The time bar displays all recording data from the oldest to the latest. You can then ask the software to display a portion of the recording data by selecting on the time bar. Simply click and hold the mouse, then drag it horizontally to select:

It will then zooms in and display the recording data of that portion. The begin time and end time would also change accordingly.

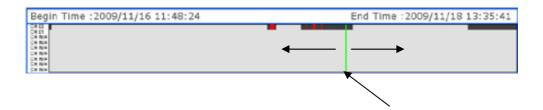


To go back up a level, simply "right-click" anywhere on the time bar:

Begin Time :2009/11/16 11:48:24	End Time :2009/11/18 13:35:41

Right-click

You can click and drag the green indicator horizontally to jump to a specific play time:



The playback also provides control bars with the following features:

* Playback Control Bar: Single step back/rewind/play/stop/pause/fast forward/single step forward videos

* Playback Video Window Control Bar: Turn on/off audio/snapshot/display OSD/digital PTZ/keep video ratio/image enhancement

	Play Time 2010/09/24 11: Play Action PLAYBACK		Control Bar Playback Control Ba		OSD Display Keep Ratio		
	Play Action PLAYBACK			ər 🔽	Keep Ratio		
the second second second second		< 1 OSD					
the second second second second						Channel Select	中
the second second second second						Channel Select	4
	100						
and a set of the later						Event List	-
in all he						CH Time	Name
States - William						2 09/24 11:13:30	CH # 2
1.12						2 09/24 11:13:20	CH # 2
						2 09/24 11:13:10	CH # 2
	and the second second						CH # 2
A TRANS							CH # 2
							CH # 2
The states							CH # 2
12							CH # 2 CH # 2
- 1931 Bank							CH # 2
mini a							CH # 2
						2 09/24 11:11:31	CH # 2
13 11:14				11;18	11;19 :	1;20	
	13 11;14		13 11;14 11;15 11;16	11;14 11;15 11;10 11;17		13 11;14 11;15 11;16 11;17 11;18 11;19 11	1 1

By default, these two control bars are hidden but can be enabled from the top bar:

PLANET Helvorking & Co wnum cation	📃 🖭 🔯	Play Time 2010/09/24 11:1 Play Action PLAYBACK	3:39 🔽 Control Bar V Playback Control Bar	☞ OSD Display ☞ Keep Ratio
CH 2 - CH # 2				

You can also set to have all playback videos to be displayed in their original aspect ratio and display OSD by checking the options from the top bar:

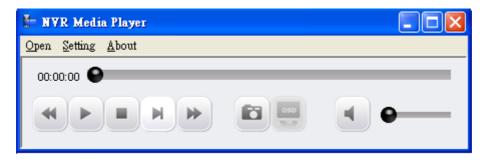


The green indicator in the time bar at the button indicates the progress of the playback and which portion is being played back. You can find the exact playback time from the top bar:



4.5 Media Player

The software comes with a player program which plays the recording files that are in their original database file format or in the AVI file format that were exported by the NVR software:



To access the media player, double-click on the shortcut created by the software installer:



It can also be started from the Windows "Start" menu:

📾 PLANET 🛛 🖡 🖬 Cam Viewer 3 Pro 🕨 🌽 CV3 Pro Player	/er
--	-----

Play the exported AVI file

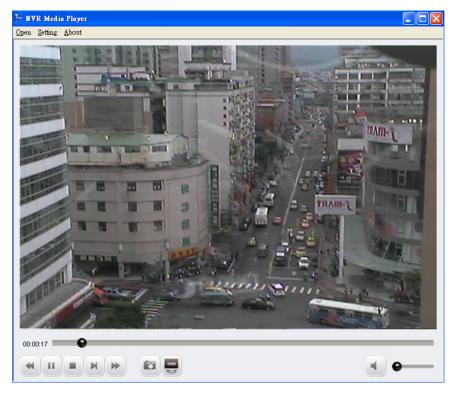
To playback the exported AVI file, go to "Open" >> "AVI File" from the top menu:

🗄 NVR Media Playe	Ľ	
Open <u>Setting A</u> bout <u>A</u> VI File	1	
<u>M</u> edia Data Base Image File E <u>x</u> it	H H	• •

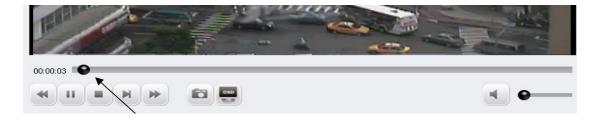
A new dialog will be displayed asking you to locate the AVI file. Go to C:\Program Files\PLANET \Cam Viewer 3 Pro\AVI as it's the default directory of where the exported AVI files are saved:

開啓		? 🗙
搜尋位置(]: 🛅 Program F	iles 💌	← 🗈 💣 💷 -
Acro Software	🛅 Axis Communications	🚞 Common Files
Adobe	🛅 Bonjour	🛅 ComPlus Applicatic
🛅 Ai-See	🛅 Bonjour SDK	🚞 DU Meter
🛅 Ai-Seesnapshot	🛅 CamView	🚞 FileZilla Server
🛅 Ai-Seevideo	🛅 CCleaner	🛅 Gene6 FTP Server
🚞 Apple Software Update	🛅 CDCheck	🛅 Google
<		>
檔案名稱(N):		開啓(0)
檔案類型(I): AVI Files (*.av	i) 🔽	取消

The playback should begin and the video should be played back in its original resolution by default:



Move the indicator horizontally to jump back and forth to a specific time:





Use the control buttons at the bottom to play/stop/pause/rewind/fast forward the video

You can click on the "Snapshot" button at the bottom to take a snapshot of the video:

<u>Open Setting A</u> bout	
日本 日本 日本 日本 日本 日本 日本 日本 日本 日本	
▲ YI ● 全 全 全 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
檔案名稱(Q): 存檔類型(I): Jpeg File ▼ 取消	
	• •

* The snapshots can only be saved in "JPEG" format

Click on the "OSD" button at the bottom displays the OSD on the video:



* The OSD displays in the upper-left hand corner by default. More settings can be done to it such as font size/color and display position. More details about this will be covered in page 94.

The player also supports the digital function. Simply use the scroll button to zoom in/out. You can also click and hold the house then drag diagonally to select a particular area to zoom in.



Draw a square on the video to zoom in a particular area

Once the video is zoomed in, click and hold the mouse button then move the mouse to move the zoomed area:



Click and hold the mouse button then move the mouse to move the zoomed in area

To exit digital PTZ mode, simply right-click anywhere on the video.

Play the database file

To play the media database file, simply go to "Open" >> "Media Data Base" from the top menu:

X

🗄 NVR Media Play). T		
<u>Open</u> <u>S</u> etting <u>A</u> bout	_		
<u>A</u> VI File			
<u>M</u> edia Data Base			
<u>I</u> mage File	N N	050	•
Exit			

A dialog shown like below should be displayed:

MDB PATH	C:\Program Files\P	LANET\Cam Vie	Browse	Check
MDB Info				
Server				
Time Zone				-
	🗖 Summer Time			
Channel				-
First data t	ime			
Last data t	ime			
Start play tir				
	2010/09/24 🚔	下午 01:20:06	* •	
		0K		Cancel

The default MDB path should be displayed. If you have altered the database storage path in the Config Wizard, click "Browse" to locate the new path:

Ēt I	layback Setting				×
	MDB PATH	C:\Program Files\PLANET\Cam Vie	Browse	Check	
	MDB Info				
	Server				
	Time Zone			•	
		🗖 Summer Time			

A new dialog should be displayed to allow you to locate the directory of where the database files are stored:

	Cam Viewer 3 Pro		
MDB	Gam Viewer 3 Pro	~	
Serve	AVI		
Time 2	 ■ DB_BACKUP_20100924114434 ■ DB_BACKUP_20100924114452 ■ DB_BACKUP_20100924114556 ■ EMap_pic 		2
Chann	eventss Images Lang		2
First			
Last	SystemLog Wav Web		
Start p	< WED	~	
	確定 取消		
- 1	OK		Cancel

After the directory is selected, click on "Check":

🗄 Playback Setting	
MDB PATH	C:\Program Files\PLANET\Cam Vie Browse Check
MDB Info	
Server	
Time Zone	
	🗆 Summer Time
Channel	•
First data t	ime
Last data t	ime
Start play tir	ne 2010/09/24 🔹 下午 01:20:06 ф
	OK Cancel

A pop-up message should be displayed once the database is successfully located (as shown below):



Next, select a desired time zone from the drop-down menu:

Time Zone	GMT+8 Beijing, Taiwan, Hong Kong	-
	GMT+8 Beijing, Taiwan, Hong Kong	^
Channel	GMT+9 Osaka, Sapporo, Tokyo	
channer	GMT+9:30 Darwin	
	GMT+9:30 Adelaide	
First data t	GMT+10 Hobart	
	GMT+10 Canberra, Melbourne, Sydney	
	GMT+11 Solomon Island	
l ast data t	GMT+11:30 Norfolk Island, Australia	

* The MDB file does not contain any time zone information. Simply select a time zone based on your current location or select one if you know the time zone of NVR server where the MDB was exported from.

The "Channel" drop-down menu lists only the channels that have recording files available. Simply select a channel and press "Search":

Time Zone	GMT+8 B	eijing, 1	'aiwan, H	ong K
Channel	02	•	Search	
	02			
First data t	ime 🛛			
	,			

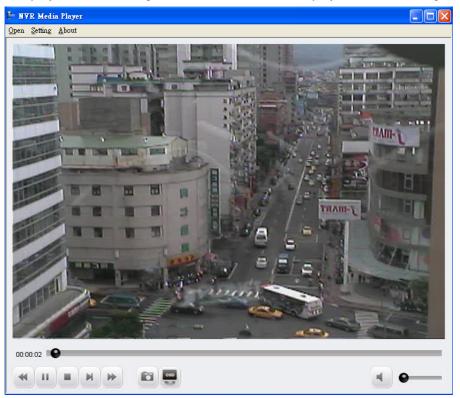
The database begins and end time of the selected channel should then be found:

First data time	2009/11/16 11:48:24
_ast data time	2009/11/18 14:35:52

Simply specify the "Start Time" within the range of begin and end time and click "OK" to play the database file:

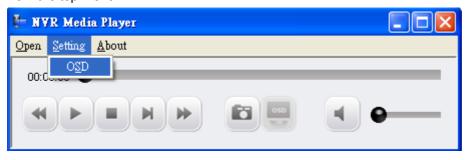
Start play tir	ne			
I	11/18/2009	-	6: <mark>47</mark> :35 PM	
1				

The playback should begin and the video should be played back in its original resolution:



Configuration of the OSD display in media player

To make changes of how OSD is displayed on the playback video, go to "Setting" >> "OSD" from the top menu:



A new dialog should be displayed which lets you change the OSD setting (as shown below):

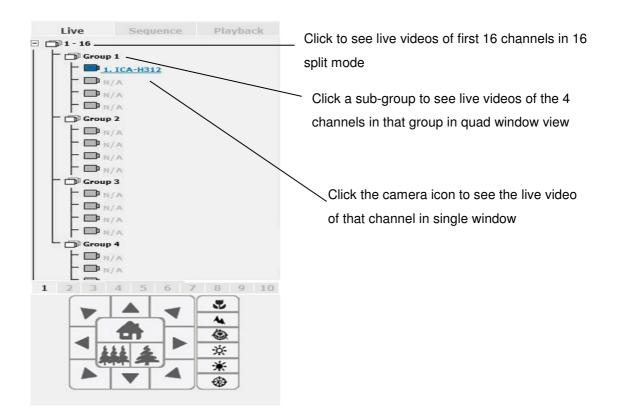
🗄 OSD Setting	
Text Display Options Time Zone: Summer Time Show Time Show Resolution	Choose the time zone of the displayed time Select to display time or resolution or both
OSD Position Display at Upper-Left 💌	Position of the OSD
Customize OSD Text & Background Text Size: © Auto © Customized 8	Change OSD text size
Text Color: Change	Change OSD text color
© Customized Change	Change the background color of the OSD texts

4.6 Remote Monitor – Web Browser

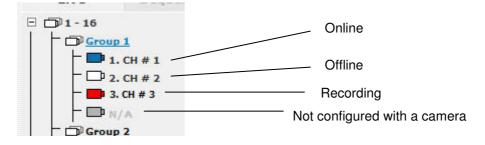
Cam Viewer 3 Pro has built-in web server which allows users to access the live video and payback video through a web browser remotely. This is convenient because it doesn't require users to install remote application in order to see the live and playback videos.



You can view live videos of up to 16 channels simultaneously through the web browser. As soon as you log in through the web browser, it displays live video of the first available channel in single window view. You can switch the split mode by clicking the camera list on the left:

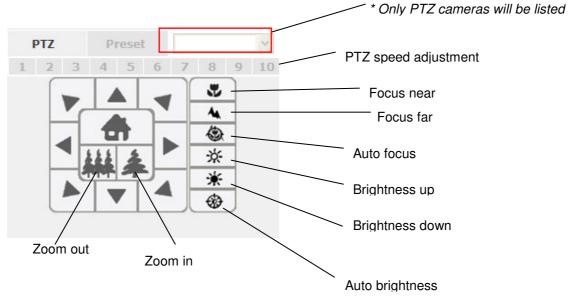


The camera icons are marked with different colors representing their current status:



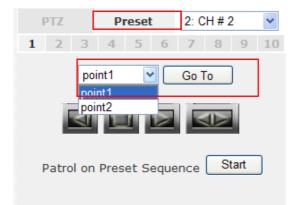
PTZ Control:

The PTZ control is available at the lower-left hand corner. Select a camera from the drop-down menu to use PTZ control:

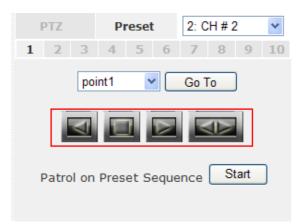


Preset:

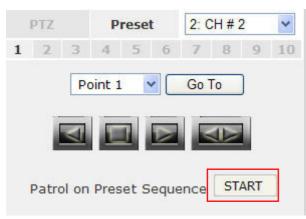
Click on "Preset" to access the preset menu. The drop-down menu should list the available preset points of the selected channel that were previously configured. Simply select one from the list and click "Go to":



The buttons below the drop-down menu allows you to set the camera to pan right or left automatically or pan 360 degrees if the camera supports such function:

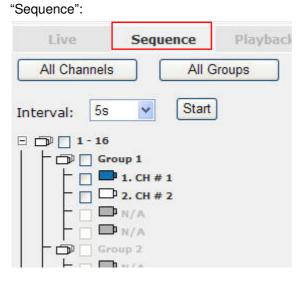


You can also set the camera to "patrol" among the preset points continuously by clicking the "Start" at the bottom:

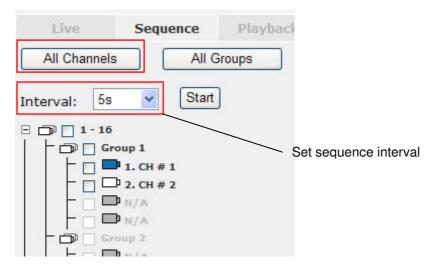


Sequence Viewing:

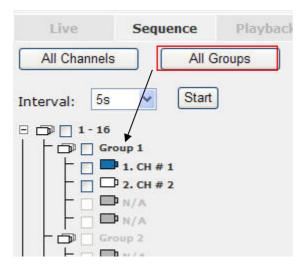
You can also set to view all or selected channels in sequence automatically by going to



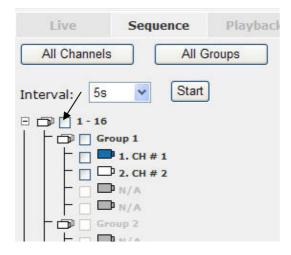
Select "All Channels" to start sequence view on all channels in single window view. You can set the sequence interval by selecting one of the pre-defined options from the "Interval drop-down menu. Click "Start" to begin:



Select "All Groups" to start sequence view in quad window view (4 cameras in one group):



You can also set to start sequence view in 16 window view by checking the "1 - 16", "17 - 32"...etc checkboxes:



Video Window Control Bar:

Each video window in live view comes with its control bar. The control bar allows users to:

- * Take snapshot of the live video
- * Turn on/off audio (speaker)
- * Turn on/off audio post (Mic.)

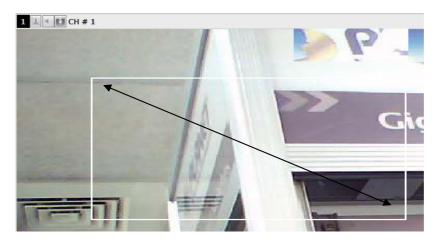


To take a snapshot, click on the snapshot icon and a new window should be displayed. Simply close the window to finish as the snapshot will be saved to C:\SnapshotFolder automatically:

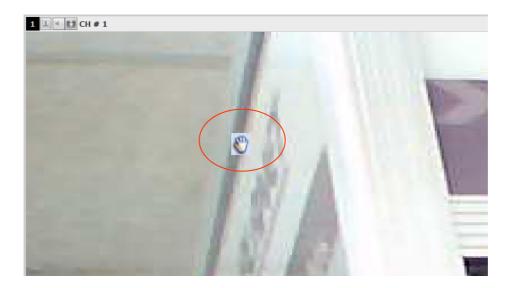


Digital PTZ:

The digital PTZ function is supported to all video windows, which you can click and hold the mouse and drag diagonally to draw a square to zoom in a particular area on the video:



Once zoomed in, an icon will be available on the video. Simply click and hold the mouse and then drag to move the zoomed in area to a desired direction:

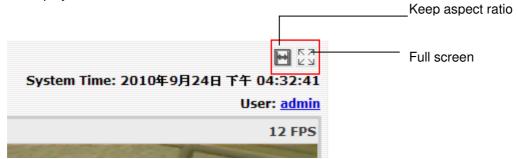


You can right-click anywhere on the video to exit the digital PTZ mode at any time:

Keep video in original aspect ratio and full screen:

At all time, you can set to display all videos in their original aspect ratio by clicking the function button available at the upper-right hand corner.

To display in full screen, click the button next to it:



Change display language:

The web user interface supports display in different languages. To change the display language, click the logged in user account at the upper-right hand corner:

E 53
User: admin
0 FPS

A pop-up window should be displayed (as shown below):

🖉 UserInfo 親頁對話	×
🙋 http://192.168.0.189/UserInfo.html	
User Name: admin	
Company:	
Department:	
Telephone:	
Mobile:	
E-Mail:	
Description:	
Language: English	
Apply Cancel	
http://192.168.0.189/UserInfo.html 😜 網際網路	

Select a desired language from the "Language" drop-down menu and click "Apply":

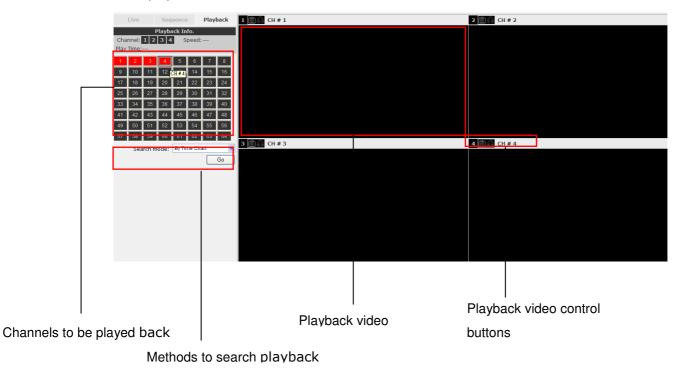
Language:	English	~
	English	
Ann	繁體中文	
Abb	简体中文	
	日本語 Italiano	
	Español Português	

Playback:

Playback is a function that allows you to play one or more videos that were previously recorded by a chosen recording method or due to an event trigger. The web interface offers synchronized playback from up to 4 channels and various types of search methods are provided to help you find the footage you need quickly.

You can turn on or off the audio of a recorded video at your choice if audio was also recorded during the recording of the video.

Playback video can be viewed in full screen and snapshots can be taken and saved during a video playback.



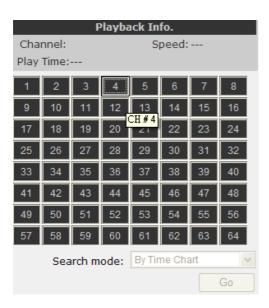
Methods to Search Playback Videos

The NVR offers four methods to quickly help users find videos that were previously recorded:

- * Search by time chart: Select a desired date of recording from the time chart
- * Search by specific time: Find videos by specifying a start time
- * Search by event: Display recording data that were recorded due to event triggers
- * Search by event (most recent): Display the most recent event recording data

Search by time chart

Start by selecting which channel(s) you would like to perform a search on:



* Selected channels will be marked in red

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

Select "Search by time chart" from the "Search Method" drop-down list and click "Go" to start the search:



Results will then be displayed in a "Date/Channel" table and boxes marked in dark gray represent videos found on those dates:

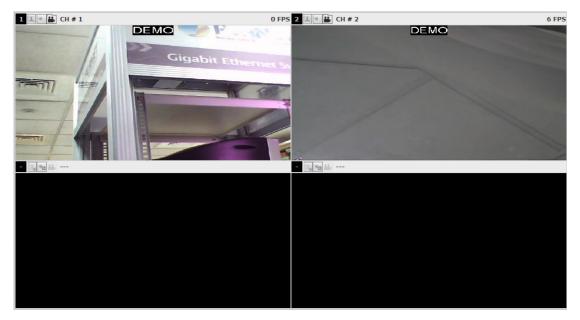
Live	Sequence	Playback	
	Playback Info.		
Channel: 2	Speed:		
Play Time:			
Year: 2010	Month: 0	9 🔽	
2010 2			
09/01			
09/02	001	0.00.01.00.00.00	
09/03	201	0/09/01 00:00:00	
09/04			
09/05			
09/06			
09/07			
09/08			
09/10			
09/11			
09/12			
09/13			
09/14			
09/15			
09/16			
09/17			
09/18			
09/19 09/20			
09/20			
09/22			
09/23			
09/24			
09/25			
09/26			

Click on any dark gray cell box should direct you to the hour/channel table if there were multiple videos recorded during that date:

Live	Sequence	Playback
	Playback Info.	
Channel: 2 Play Time:	Spee	ed:
Play fille	0	
Year: 2010	Month: ()9 🔽
2010 2		
09/01		
09/02	00	0/09/01 00:00:00
09/03	20.	10/09/01 00:00:00
09/04		
09/05		
09/06		
09/07		
09/08		
09/10		
09/11		
09/12		
09/13		
09/14		
09/15		
09/16		
09/17		
09/18		
09/19		
09/20 09/21		
09/21		
09/23		
09/24		
09/25		
09/26		

* Videos from other cameras that are recorded on the same date will also be displayed

Click on the cell box again will start playing back the videos if you have reached the end of search results:



Videos found from other cameras that were recorded at the same time will also be played.

Search by event

Start by selecting which channel(s) you would like to perform a search on:



* Selected channels will be marked in red

41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64

Select "Search by event" from the "Search Method" drop-down list and click "Go" to start the search:

Results will then be listed like what is shown below (displays the oldest record top down). Click on a particular result to start the playback:

Live	Sequence	Playback
	Playback Info.	
Play Time:	2 60 61 Spee	2d:
□ <u>CH1 :</u> □ <u>CH2 :</u> □ <u>CH1 :</u>	2010/09/16 0 2010/09/16 0 2010/09/16 0 2010/09/16 0 2010/09/20 1) <u>9:15:11</u>) <u>9:18:10</u>)9:18:11
		Next Search
September	16, 2010 🔻 0	9: 17: 44 🛓
	Search	Back to Top

* You can click "Next Search" to display the next 15 results.

You may also specify a new start time to search and display results from then on. You can restrict the number of results to be displayed at once (max. 30) and perform the search again

	Pl	ayback I	nfo.	
Channel	: 1 2	5	Speed:	
Play Time	e:			
	_	P 11		
	<u>СН2 : 20</u>	010/09/	16 09:15	<u>:08</u>
1	CH1 : 20	010/09/	16 09:15	:11
1	<u>СН2 : 20</u>	010/09/	16 09:18	<u>:10</u>
1	СН1:20	010/09/	16 09:18	:11
1	СН1:20	010/09/2	20 16:15	:23
			Next S	Search
Sept	ember 16	, 2010 🔽	09:17	: 44 🚔
		Search	Bac	k to Top

Play by specific time

If you know when a recording was taken place, you may choose the "Play by start time" from the "Search Method" drop-down list

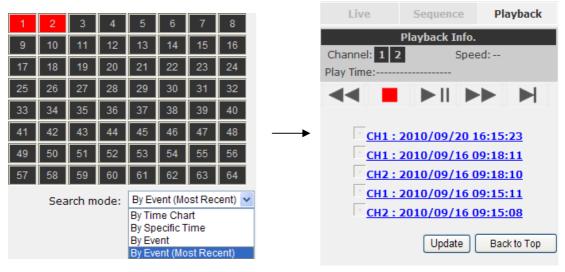


Then you will be prompted to enter a specific time and date for the recorded video.

Live	Sequenc	e P	layback
	Playback I	nfo.	
Channel: 1 2	2 60 <mark>61 -</mark>	Speed:	
Play Time:			
	►II	$\blacktriangleright \blacktriangleright$	
September	16, 2010 🔻	09:17	: 44 🔺
		Back	to Top

Search by event (Most Recent)

This function quickly displays the most recent event recordings from the selected channels, displaying the most recent result top down. You may click "Update" to update the list to display the most recent result



Appendix A Specifications

Main Function		
IP Cameras Input(s)	64 Channels	
Monitor Output(s)	4 Monitor	
Video Format	H.264, MPEG-4, M-JPEG	
Max. Resolution	5 Mega-Pixel	
Recording Mode	Manual, Scheduling, Event	
Scheduling Types	Manual Select, Day Mode, Night Mode, Weekend Mode	
E-Map Monitor	Yes (Two-layer)	
Snapshot Format	JPEG	
PTZ Config	Yes	
Joystick	Yes	
User Account	Yes	
Log Types	Alert, Event, User Access	
Triggers & Events		
Intelligent	Motion Detection	
Alarm	Mail, FTP Server, HTTP Server, TCP Server, Warring	
	Sound, Emergency, Central Server	
Event Recording	Pre/Post Event Settings	
Playback		
Concurrent Playback	4 Channel	
Search Method	Time/Date, Event	
Playback Controls	Play, Pause, Stop. Forward, Reverse, Speed Adjust, Frame	
	by Frame, Event by Event	
Recorded Format	AVI	
Network & System		
Protocols	TCP, UDP, HTTP, /FTP, /SMTP, DHCP, DNS, ARP, ICMP,	
	NTP, UPnP, RTP, RTSP, RTCP	
Mini. Hardware Requirements	CPU: Intel Core 2 Duo or above	
	RAM: Minimum 1 GB, 2GB or above is recommended	

	HDD: SATA 200GB or above is recommended	
	Display card: Independent display card suggested	
	Ethernet interface: 10/100Mb Ethernet card or above	
Coffuera Deguirementa	Windows 2000(SP4), Windows XP, Windows 2003,	
Software Requirements	Windows Vista(32-bit), and Windows 7(32-bit)	
User Interface		
	English, Traditional Chinese, Simplified Chinese,	
Multiple Language	Japanese, Italian, Spanish, Portuguese, Germany, Danish,	
	Czech, Polish, France	