# PC Web Viewer User Manual

# 1. Introduction

### 1.1 Introduction

The PC Web Viewer Software (S/W) is used to manage the DVR through network (Internet).

#### 1.2 Features

The S/W manages one DVR at a time and supports up to 16Ch live monitoring. Supported functions are

- 2 way Audio
- Relay control
- PTZ control
- Preset configuration and movement.
- Focus control of camera.
- DVR configuration
- Remote Playback

Remote Playback provides Forward , Backward, Fast playback mode and Frame by Frame mode.



(LIVE)

(PLAYBACK)

(Remote Configuration)

# 2. Installation

### 2.1 System Requirement

Below is the minimum requirement of PC

System	Minimum requirement				
CPU	Intel Core2Duo 2.0GHz or higher				
Memory 2GB or higher					
VGA memory 128MB or higher					
VGA display 1024 * 768 (With 32bit color) or higher					
HDD	80GB or higher				
OS	Windows XP SP2 or higher				
others	Direct X 9.0 or higher				
	IE8.0 or higher				

### 2.2 Installation Steps

- 1. Open Internet Explorer.
- 2. Input DVR IP address.

Intelligent Digital Security System - Microsoft Internet Explorer	-	_ 0
le Edit View Favorites Tools Help		4
Back 🔹 🕑 👻 📓 🟠 🔎 Search 🤺 Favorites 🚱 🗟 • چ 🔜		
ress 🙋 http://192.168.100.50/	💌 🔁 Go 🛛	Links
Intelligent I	Digital	
Security Sy	ystem	
PC Web viewe	r 🕢	
	-	
Mobile Web view	rer 🕢	
Done	S Internet	

- 3. Allow to Install ActiveX for web viewer.
- 4. Press 'Next' button to complete copy and install the SW.



5. Log In widow will be appeared after complete installation.

WebMonitoring Login - Microsoft Internet Explo	rer	-미×
File Edit View Favorites Tools Help		27
	👷 Favorites 🔣 🔗 🌭 🔜	
Address http://192.168.100.50/web_viewer.html		
Address 💼 http://192.166.100.50/web_rever.html	DVR Account IP Addess [152:158:100:50 Por User Name Password OK Cancel	
	Zoom Focus	
	Set Tour 2 + - + -	
Done		T 🍵 Internet

# 3. Live View

#### 3.1 Live View window.

Live View window will be available after a connection is made. Users can view 'live video and audio' in this display.

### 3.2 View Live image

Users can change the Viewing Mode (1,4,6,9,12,16 view), camera position and Live Zoom.

#### 3.2.1 Live View mode

1. Select one of view mode from



#### 3.2.2 Change of position of channel.

- 1. 'Click & Drag' on the wanted channel using the mouse.
- 2. Move the mouse cursor to wanted position in display and 'Drop'.
- 3. Please take note that the channels will be switched.

#### 3.2.3 Live zoom

- 1. User can use digital zoom at selected camera on Full screen mode.
- 2. The 'Zoom In' ratio can be select from 100% to 1600%.

#### 3.3 Functions on live view

Live View supports PTZ control, Relay control and 2 Way Audio

#### 3.3.1 PTZ Control

PTZ control will be available when the connected camera support Pan, Tilt and zoom function. And also control focus, Preset, Speed of movement and Tour function.

#### **PTZ Control**

- 1. Select a channel that connected PTZ camera.
- 2. Press Arrow on screen to control movement of camera



#### **PTZ Focus Control**

- 1. Select a channel that wants to control Focus.
- 2. Press

button and set proper focus.

#### **PTZ Zoom Control**

1. Select a channel that wants to control Zoom.



#### Preset Control

1. Select a channel that wants to control Preset.

- 2. Select a preset button and press Move button.
- 3. Camera will be reposition.
- 4. Move a camera position by PTZ control button and Press button to same new preset position.

#### **PTZ Speed control**

- 1. Select a channel that wants to control Speed.
  - PTZ Speed
- Move \_\_\_\_\_\_ a slide bar at proper position during checking the speed of PTZ movements.

#### **PTZ Tour Control**

- 1. Select <u>a channel</u> that wants to active tour fucntion.
- 2. Press button to run saved route of PTZ movement
- 3. Press Tour 2 button to run saved route of PTZ movement

#### 3.3.2 Relay Out Control

Users can control the relay out that connected to DVR. User can do activate and deactivate of Relay device remotely.

- 1. Select a site from the device list.
- 2. Press buttons to set action as On/Off.
- 3. Display as 1 (Off) / 2 (On).
- 4. Time out of relay control set as 5 sec. so next command will be activated after 5 sec.

#### 3.3.3 2 Way Audio Control

Audio from Remote PC's mic will be transferred to DVR's Speaker.

- 1. Select a site from the device list
- 2. Press buttons and start to speak through mic of PC.
- 3. DVR side can hear a voice from Speaker.
- 4. 2way Audio button's time out set as 120 sec, so next command for 2way audio can be controlled after 120 seconds.

#### 3.4 Basic functions

Users can App setting, Color setting, Sequence screen, Live Image Capture and Full Screen.

3.4.1 App setting

Users can Configure SW.

1. Press 🛄 button and select [App setting] item.

App Setting	×
Display	
Deinterlace Filter	
🔽 Deinterlace Filter	
Deblock Filter	
Gaussian Filter 0.3 💌 Sharpen Filter 5	
Screen Unit Rotation	
Duration Time 2	
OK Cancel	

- 2. Users can apply several Filer mode for image.
- 3. Users can set the duration of image change during sequence mode.

#### 3.4.2 Color setting

Users allow adjusting the live channels color.

- 1.
- Press button and select [ Color Adjust] Set proper value on [Adjust color & Post processing] window. 2.

Camera Select
[ CHUI] I CH 02 I CH 03 I CH 04
CH 05 V CH 06 V CH 07 V CH 08
🔽 CH 09 🖵 CH 10 🔽 CH 11 📁 CH 12
CH 13 🔽 CH 14 🗖 CH 15 🔽 CH 16 🗖 All
Adjust Color
Brightness
Gamma
1.00
Contrast
Saturation
Tint
Reset Close

- 3. User can adjust Brightness, Gamma, Contrast, Saturation and tint.
- 4. With [All] option, user can apply same adjustment to all camera at the same time.
- 5. The color adjustment will not be saved. Next login will contain default value.

#### 3.4.3 Screen Sequence

The screen can be changed as sequence with term.

- 1. Select a channel mode (1,4,9,16 mode).
- 2. Set a duration time for sequence on [App setting] menu(2 ~ 60 seconds).
- 3. Press button to start sequence mode.

#### 3.4.4 Live image capture

Users allow capturing live images and printing out selected images.

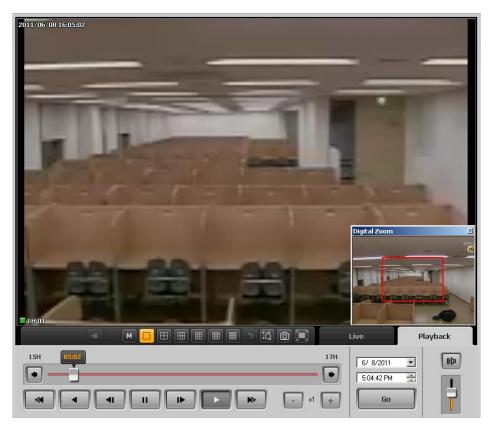
1. Press button to capture screen.
2. State a next action between [Save as..] or [Printing]

3. The image will be save as Jpeg format file.

#### 3.4.5 Digital Zoom

User can zoom in the selected channel.

- 1. Select one of the channel then press  $\square$  button.
- 2. Move the Red color rectangle to proper position then scroll up the mouse wheel.
- 3. The maximum zoom ratio is 1600 %



# 4. Playback

## 4.1 Remote playback

The network player supports to retrieve a recorded data from DVR on remote PC.

#### 4.1.1 Control panel for playback.

Buttons	Description
•	Fast backward playback
	Backward playback
	Previous frame
	Pause
	Next Frame
	Forward playback
	Fast forward playback.
	Move to previous time line
•	Move to next time line
- ×1 +	Speed control for playback
	Audio control box

#### 4.1.2 Play from recording file

- 1. Select Playback tab on SW.
- 2. Input the start time for playback.
- 3. Control the playback through buttons.
- 4. User can move next / Previous hours by buttons.



- The Backward playback is available only at 1ch full screen mode with 1 frame per each second.
- Maximum 16Channel can be playback at the same time.

#### 4.1.3 'Go to' function

- 1. Select a date and time.
- Go button to playback directly from the selected start time point. 2. Press

#### 4.1.4 Searching recording data

- Press button on playback screen.
   Select Search item on menu.
   The calendar will be indicated different color when they have recording data.

<	2010, June 🔉							
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
		1	2	3	4	5		
6	7	8	9	10	11	12		
13	14	15	16	17	18	19		
20	21	22	23	24	25	26		
27	28	29	<b>3</b> 0					

- 4. Select a day from a calendar.
- 5. Recoding data table will be display on right side.
- Select a time line that want to playback. 6.

										t	
Time	Inde>	( [0	Curren	t	-	•	Ho	ur	0	11 12	24
<			)10, Ju			>		nute	0	30	60
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Day 30	UH	_		
		1	2	3	4	5	30	2			
6	7	8	9	10	11	12	30	3 4			
13	14	15	16	17	18	19	30 30	5			
20	21	22	23	24	25	26	30	7			
• 27	28	• 29	• 30				30 30 30 30	8 9 10 11			
							30 30 30 30 30	12 13 14 15 16			
											( Playback )

7. To select a minute based time line. Press playback button one more.

#### 4.2 Backup

Recoding image and audio from the DVR can be saved at remote PC.

#### **Remote backup** 4.2.1

- Press button then select [Download] item on menu.
   Select start / end date and time.
   Select channels for backup
   Set a path for backup on PC.

- 5. Press [Start button] button to start download data from DVR.

From	Channel				
2010-02-11 * 10:41:01 *	I CH 1	🔽 CH 2	🔽 CH 3	🔽 CH 4	
	Г СН 5	🔽 CH 6	CH 7	🔽 СН 8	
To	💌 СН 9	🔽 CH 10	🔽 CH 11	🔽 CH 12	
2010-02-11 • 10:43:01 •	🔽 CH 13	🔽 CH 14	🔽 CH 15	🔽 CH 16	🔽 Al
File download Information					
Download Folder Path : C:\Temp	p₩Video₩1002111	04101_1002	11105101_Se	oul Bidg 11F	
HDD Free Space : 1.02GB					
Download Size : 84.4MB					
Download Size : 84.4MB File Download Progress					
				2.85MB /	84.4MB

#### 5. Remote Upgrade

#### 5.1 **Remote Upgrade**

This SW will provide a function to upgrade the DVR with latest FW remotely.

## 5.2 Start Remote Upgrade

- 1. Press button and select [Remote Upgrade] item on menu.
- 2. Below Remote Upgrader will be appeared.

🔁 Remote Upgi	rader - 2, 2,	0, 80 (080)	×
CDVR Connect	Information —		
IP Address			
Port			
CDVR Account I			
User ID			
Password			
Upgrade File F	ath ———		
	0	%	
			0 / 0 byte
	Upgrade	Disconnect	Close

- 3. Input DVR's information that needs to be upgraded. (IP address, Port, User ID, Password)
- Select a upgrade file (\*.bin).
   Press [Upgrade] button to start upgrade procedure.

🛃 Remote Upgra	der - 2, 2, 0, 80 (080)	x				
DVR Connect In	formation					
IP Address	192, 168, 100, 50					
Port	2000					
DVR Account In	ormation					
User ID	user1					
Password	*****					
Upgrade File Pa	th	٦				
C:\Docume	ints and Settings₩JUN₩바탕 화 🛄					
62%						
	7247872 / 11563869 byte	e				
	Upgrade Disconnect Close					

6. After complete uploading the FW to DVR. DVR will start upgrade the system automatically.

\*DVR must be installed HDD before remote upgrading.

#### 6. DVR setup Manager

#### 6.1 **DVR Setup Manager**

DVR setup manager help to configure DVR's setup from remote site.

The configuration file can be saved on PC and also can be applied to other devices also.

#### 6.2 Start DVR Setup manager

- 1. Press witton then select [DVR setup] item.
- Setup manager will be executed.
   User can configure DVR's setup through this manager SW.
- 4. Press [Send] after complete configure to apply all modified configurations to DVR.

🗾 DVR Setup Manager	(192, 168, 100, 54) - 3	2, 2, 0, 120 (	120)		_ 🗆 X
File Help					
CONS Bandw					
	(	Schedule 1	C Schedule 2	C Schedule 3	C Schedule 4
Camera List	Camera				
i Al		Name	KH 01		
CH 01					
CH 02	Record				
CH 03	Resi	olution	CIF	*	
		Juailty	Highest	-	
CH 06	,	Sneech.		-	
CH 07	Normal	Speed	30	*	
CH 08	Event	Crossed	30	-	
	Lierk	sheen	100		
		Audio	On	•	
		Text	Off	•	
					Default
				Send	Cancel

#### 6.3 Save & Load Configuration file

- 1. Select [Open] on file menu.
- 2. Select a saved configuration file.
- 3. Modify any values then saved the file as [save] or [save as].
- 4. Press [Send] to apply modified values to DVR.

#### 6.4 Configuration initialize /Factory default

- 1. Select [Setup Data Reset] from file menu.
- 2. All values will be initialized on configuration file.
- 3. Select [DVR All reset] from file menu to set factory default the DVR set.
- 4. Press [Send] buttons to apply the modification onto DVR.

\*DVR All Reset will reset all Configuration of DVR, include IP address also.