User Manual

CENTRAL MANAGEMENT SYSTEM of H.264 NETWORK VIDEO RECORDER

H.264 DIGITAL VIDEO RECORDER



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PREFACE

DVR/NVR Central Management System (CMS) is a 36 views recording software which specific supports our H.264 and 04CH MPEG-4 DVR (Digital Video Recorder) & NVR (Network Video Recorder). This software can provide real-time monitor, emergency record the video on PC and then playback the DVR/NVR recorded video to the user.

Moreover, the user can also setup the software recording method for the specific circumstances and performs video playback via Time and Event Search.

I. SPECIFICATION

Supported DVR Model: H.264 and 04CH MPEG-4 DVR, Hybrid DVR **Supported NVR Model:** all HUNT NVR

Main Features:

- 1. Live-time, emergency recording and playback functions available
- 2. Image setup under group mode
- 3. Playback DVR/NVR recording data by time and event search
- 4. Support DVR/NVR system setup
- 5. E-Map
- 6. Remote AP
- 7. Remote Lite
- 8. WebServer
- 9. Dual-Monitor

	Resolution
Supported Resolution	Up to1920x1080
	Live
Security	Login Username and Password
Monitoring Mode	1 , 4 , 9 , 16 , 36
Display Mode	Group
Audio Out	Yes
Digital Zoom Control	Yes
PTZ Control	Yes
Snapshot	Yes
I Frame Only	Yes
View Title	Yes

	Playback		
Monitoring Mode	1 , 4 , 9 , 16 , 36		
Display Mode	DVR / NVR Playback		
Audio Out	Yes		
Digital Zoom Control	Yes		
Snapshot	Yes		
Playback Mode	3 Modes		
	Mode1 : DVR/NVR Search		
	Mode2 : Download File		
	Mode3 : Emergency Record		
	Record		
Download DVR/NVR Recorded Data	Yes		
Live Emergency Record	Yes		
	Event		
DVR /NVR Event Log	Record & Playback		
CMS Event Log	Yes		
	System Setup		
Security	2-level		
Group Setup	Yes		
Time-Point Schedule Setup	Yes		
User Setup	Three Groups. "admin", "user" ,and "guest"		
Multi-Language	Yes		
Version Information	Yes		
View Rotation	Yes, 3~10 sec.		
Buzzer	Yes, wav file		
	E-MAP		
Image View	Live View Pop-up, Status Remind		
E-Map Setup	Tree Mode Setup, Pull and Drag the Device		
	RemoteAP		
Monitoring Mode	1, 4, 9, 16, 36		
Playback	DVR / NVR Playback		
CMS Setup	Group Setup, DVR/NVR connecting Setup, Recording Setup		
Remote Lite			
Monitoring Mode	1, 4, 9, 16		
	Web Server		
Monitoring Mode	1, 4, 9, 16, 36		
	Dual Monitor		
Monitor Setup	Live, Multi-Live, Playback and E-Map		
Monitoring Mode 1, 4, 9, 16, 36			

II. HARDWARE REQUIREMENTS

A. MINIMUM REQUIREMENTS

- i. CPU: Intel Core 2 Duo 2.20G
- **ii.** Memory: 1GB
- iii. VGA Card: 128MB External Graphic Card
- **iv.** Monitor Resolution: 1280 x 1024, 1024 x 768 (This user manual is made by 1280 x 1024 Resolution.)
- v. OS: Windows Vista/ XP / 2000

B. SUGGESTED REQUIREMENTS

- i. CPU: Intel Core 2 Quad CPU Q8200 2.33G or higher
- **ii.** Memory: 2GB or higher
- iii. VGA card: 256MB External Graphic Card or higher
- iv. Monitor Resolution: 1280 x 1024, 1024 x 768.
- v. OS: Windows Vista/ XP / 2000

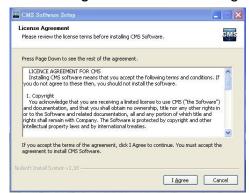
III. Program Install and Uninstall

A. Program Install

i.



ii. License Agreement. Select "I Agree", Go to the next step.



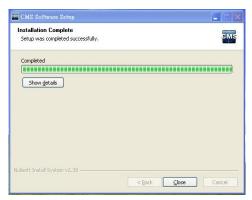
 Select the directory for CMS SOFTWARE. The default directory is "C:\Program Files\CMS Software ". Select "Next".

CMS Software Setup	
Choose Install Location	
Choose the folder in which to install CMS Software.	SINE
Setup will install CMS Software in the following folder. To install in a Browse and select another folder. Click Next to continue.	different folder, click
Destination Folder	
C:\Program Files\CMS Software	Browse
	biowse
Space required; 26.8MB	
Space required: 26.8MB Space available: 282.1MB	
	Diovision

iv. Set up the name of the program folder. The default is "CMS Software ". Click "Install" to start the installation.

Choose a Start Menu folder for the CMS Software shortcuts.	hoose Start Menu Folder		little
can also enter a name to create a new folder. CMS Software Antive PresonalEdition Classic Corel Social Soc	Choose a Start Menu folder for the CMS	5 Software shortcuts.	CI
Anthriv FersonalEdition Classic Corel Sobu / 2 Google Earth IPC-amera Recorder KlipFolio Licence Pike Recognition System Media Microsoft Office Moziala Firefox Moziala Firefox Do not create shortcuts			m's shortcuts. You
Corel eschurz	CMS Software		
eSobi v2 Google Earth IPC-aners Recorder KlipFolio Ucence Plake Recognition System Media Microach Office Nexilia Frefox Network Recording Software Do not create shortcuts			^
Course and a conder Cond			
KlipFalo Kli			
Licience Plate Recognition System Media Microsoft-Office Microsoft-Office Microsoft-Office Microsoft-Office Microsoft-Office Do not create shortcuts			-
Microsoft Office Microsoft Office Network Recording Software	Licence Plate Recognition System		
Mozilla Firefox Network Recording Software			
Do not create shortcuts	Mozilla Firefox		
			~
	lsoft Install System v2.38 ————		

v. When finish, click "Close" to close the procedure of the installation.



vi. To start the program, select "Start" \rightarrow "Program" \rightarrow ""CMS Software " \rightarrow "CMS ".



B. Uninstall

 To uninstall the program, select "Start" → "Program" → "CMS Software" → "Uninstall" to remove the program.



IV. CENTRAL MANAGEMENT SYSTEM SETUP

Please setup Central Management System step by step according to the following instructions.

NOTE: Select "Start" \rightarrow "Program" \rightarrow "CMS Software" \rightarrow "CMS" to operate CMS software and fill in the user name and password within the pop up login dialogue box. Both user name and password are admin.



A. DVR/NVR SETUP



i.

Click button to enter administrator page, and select DVR Setup tag.

ii. Among DVR/NVR Setup page, click

button to add

DVR/NVR, and then fill in the information about the DVR(s)/NVR(s) which is going to connect.

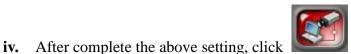


Moreover, click button among the "DVR/NVR Setup" tag can adjust the DVR/NVR setting, the DVR/NVR setting and interface is the same as DVR/NVR local site. The image is shown in the following,

CAMERA	1 4 3	
IDEO ADJUST	SET	
AMERA TITLE	01 SET	
ISPLAY	ON I	
WELL TIME	2 SEC 4	
YTZ SETUP	SET	

iii. After finish adding DVR(s)NVR(s), DVR/NVR LIST block will display the new DVR(s)/NVR(s) which just add.





button to perform the

connection. If it is success for connection, the screen will pop-up the success information dialog box. (However, if it is failure for connection, the screen will pop-up the failure information dialog box.)



NOTE: If the user wants to delete the connected DVR/NVR, select the

DVR/NVR first and then click button to delete the DVR/NVR.

v. If the connected camera within the DVR/NVR List includes PTZ function, PTZ preset point can be setup via operating PTZ block. The operating steps are presented in the following,

a. Spread up the DVR/NVR within the DVR/NVR List, double-click the camera which includes PTZ function.

■ DVR List				
D 2	21			
	-CH1			
	-CH2			
	-CH3			
	-CH4			
	-CH5			
	CH6			
	-CH7			
	-CH8			
	-CH9			
	-CH10			
	-CH11			
	-CH12			
	-CH13			
	-CH14			
	-CH15			

b. Click the drop down list of preset point and change the name of it.



c. Then, use the navigation key to adjust the preset point position.



d. Finally, click the preset point button to complete the setting.



B. GROUP SETUP

i. Click button to enter administrator page, and select

Group Setup tag.

ii. Within Group Setup page, right click of the mouse on the Group List and select Add Group option. The new add Group 1 will display under the Group List.



iii. Right-click the button of the mouse and select Add Area option. The New Added "Area 1" will display within Group 1.



iv. Click Area 1 to expand this area. (NOTE: Each area can display 16 views.)



v. Finally, add the DVR/NVR channel into the new created Area. There are "Mouse Drag", "View All" and "Individual Select" three methods.

- **a.** Mouse Drag
 - a-1. Select the DVR/NVR channel which is going to add into the Area View.
 - a-2. Drag the mouse from the selected channel to the Area view. As the following example,

GROUP LIST	DVR LIST
⊟-Group List	⊟ DVR List
ia Group1	E DVR-08CH
a Area1	01
- DVR:DVR-08CH.CH01(01)	- 2 02
- DVR:DVR-08CH,CH02(02)	- 💷 03
- DVR:DVR-08CH.CH03(03)	-4 04
- DVR:DVR-08CH.CH04(04)	- 5 05
DVR:DVR-08CH,CH05(05)	- 5 06
- DVR:DVR-080 CH06(06)	- 7 07
- DVR:DVR-08CH,CH07(07)	- • 08
- DVR:DVR-08CH.CH08(08)	- 9 09
- DVR:DVR-08CH,CH09(09)	- 10 10
- DVR:DVR-08CH,CH10(10)	- 11
-DVR:DVR-08CH.CH11(11)	- HE 12
-DVR:DVR-08CH,CH12(12)	_ I ⊒ 13
- DVR:DVR-08CH,CH13(13)	14 14
DVR:DVR-08CH.CH14(14)	- III 15
-DVR:DVR-08CH.CH15(15)	15 16
DU DU DU DU DU DU LOUIS	

- **b.** View All
 - b-1. Select the Area first and then right-click the button of the mouse on the DVR/NVR. After that, select View All option.



b-2. Click the Area which is mentioned above and it will display all 16CH of DVR/NVR.

GROUP LIST			
∃ Group List			
e Group1			
🗄 Area1			
DVR:DVR-08CH,CH01(01)			
- DVR:DVR-08CH.CH02(02)			
-DVR:DVR-08CH,CH03(03)			
- DVR:DVR-08CH,CH04(04)			
- DVR:DVR-08CH,CH05(05)			
- DVR:DVR-08CH,CH06(06)			
- DVR:DVR-08CH,CH07(07)			
DVR:DVR-08CH,CH08(08)			
- DVR:DVR-08CH.CH09(09)			
DVR:DVR-08CH,CH10(10)			
- DVR:DVR-08CH.CH11(11)			
- DVR:DVR-08CH,CH12(12)			
- DVR:DVR-08CH.CH13(13)			
DVR:DVR-08CH.CH14(14)			
- DVR:DVR-08CH.CH15(15)			

- c. Individual Select
 - c-1. Click DVR/NVR to expand all the DVR/NVR channels •
 - c-2. Right click the button of the mouse to select the channel which is going to add to the Area, and select the display view of the Area.

- DVR	List		
🖻 📧 2	2		
📥 🐼 D	VR2-2	232	
	CH1		
	CH2		
	CON CAL		
	_	15	
	CH	View 1	
	CH	View 2	
	CH	View <u>3</u>	
	CH	View <u>4</u>	
	CH	View 5	
		View 6	
	CH	View <u>7</u>	
	CH	View <u>8</u>	
	CH	View 9	
	CH	View 10	
	CH	Vie <u>w</u> 11	
	1.10	<u>V</u> iew 12	
	CH	View 13	
	CH	Vi <u>e</u> w 14	
		View <u>1</u> 5 View 16	
		may 16	

c-3. After complete the selection, the Area view will display the DVR/NVR channel which just mentioned above.

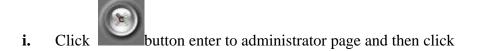
a Group1
e Area1
- DVR:DVR-08CH,CH01(01)
DVR:DVR-08CH,CH02(02)
DVR:DVR-08CH,CH03(03)
DVR: DVR-08CH.CH04(04)
- DVR:DVR-08CH,CH:9
- DVR:DVR-08CH,CH06(06)
DVR:DVR-08CH.CH07(07)
- DVR:DVR-08CH.CH08(08)
DVR:DVR-08CH.CH:5

v. If the user wants the view of the area to display All Frame, show the Name and the Time, the user can click the checkbox of each item. The

user can insert the name of each view as well. Moreover, press button can switch to other views. (NOTE: Only display I Frame can increase the PC efficiency.)

		Group Setup	
Display All Frame	Show Name	Show Time	Ch Name
View1 🔽			View1
View2 🔽			View2
View3 🔽			View3
View4 🔽			View4
View5 🔽			View5
View6 🔽			View6
View7 🔽			View7
View8 🔽			View8
View9 🔽			View9
View10 🔽			View10
View11 🔽			View11
View12 🔽			View12
View13 🔽			View13
View14 🔽			View14
View15 🔽			View15
View16 🔽			View16
ALL	ALL	ALL	1 <u>.</u>
None	None	None	
			»

C. SYSTEM SETUP



System Setup tag.

ii. After entry to the system setup page, the system setup related options are provided. The instructions of all the options are shown in the following.



- a. Use Overlay: Select "Use Overlay" can increase PC efficiency.
- **b.** Sequence Interval: select the interval time of channel rotation. The setting value is between 3~10 sec.
- **c. Default Screen Split:** The number of split screen will be displayed when CMS software is operated in the beginning.

Default Screen Split

d. DATE Format: There are three kinds of date formats can be chosen to display on the view which are yyyy/mm/dd, dd/mm/yyyy and mm/dd/yyyy.



e. Language: There are twelve languages can be selected which are included English, German, Czech Republic, Spanish, Finland, French, Italian, Netherlands, Poland, Portugal, Sweden, Chinese (Traditional) and Japanese.



f. Server: Click Web Server or RemoteAP Server option can activate the server function. It's necessary to enable the RemoteAP Server function when the remote program and remote lite program are applied. Moreover, if the Web Server is enabled, the RemoteAP Server will be activated in the same time.

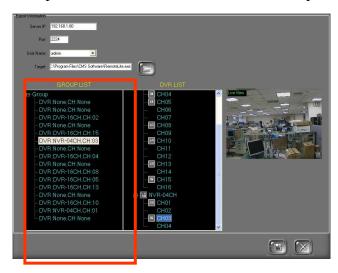


g. RemoteLite Application: Click **b**utton can export

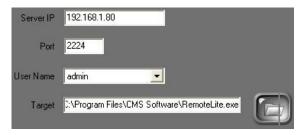
RemoteLite program.



After enter to the "Export Information" page, the user can pull the DVR/NVR channel from DVR/NVR List to the Live View of Group List. There are sixteen views can be exported.



Moreover, all the other related information about the exportation can be setup within this page, such as, Server IP, Port, User Name and the path of the remotelite program exportation.



h. Server Timeout: If the user login to the remote program under the Guest authority, the remote program will cut the connection automatically when times up.



i. MultiMonitor: There are Live form, Multi-Live Form, Playback Form and E-Map four options support multimonitor functions.



j. Emergency Path Set: Select the path that the emergency records will save to.



iii. After complete the setup, please click button to save the setting

and press it o exit System Setup page.

D. USER SETUP

Click

i.

CMS supports simple security management.



to get into user setup page, then select User Setup tag.



ii. On the right side of the user setup page, please fill in the user name,

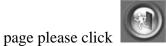


iii. Click the Change Password button to alter the password after select the

setup user account.



iv. After configuration, please leave user setup page. In the live-viewing



to login/logout.

V.

REAL-TIME MONITOR

A. REAL-TIME IMAGE

DVR/NVR Central Management System (CMS) is software which can control Multi-DVRs/ Multi-NVRs. Due to CMS is designed by "Group" concept, the software can combine different channels within different DVRs/NVRs into ONE Group to perform real-time monitor. The image is shown in the following:



B. BUTTON INSTRUCTION of REAL-TIME

IMAGE



- i. When connected DVR/NVR has triggered events, these triggered events will be presented within this block.
- **ii.** Double-click the left button of the mouse on the triggered event of the Event List block, the live image will be transferred into the playback mode of this event. Click on this button back to the Live Image mode.
- iii. Snapshot. Click the button can snapshot the image of the screen.
- iv. System Log. Press this button can display the software system log which is including CMS start and close time and so on. The system log example is shown as follows,

🕅 System Log	
2008/07/02 09:59:06>192.168.21.22 Start Connect	<u>^</u>
2008/07/02 09:59:06>192.168.21.22 Start Connect	5
2008/07/02 09:59:11>192.168.21.22 Connect Failed	
2008/07/02 09:59:11>192.168.21.22 Connect Failed	
2008/07/02 09:59:12>192.168.1.232 Start Connect	
2008/07/02 09:59:12>192.168.1.232 Connect Success	
2008/07/02 09:59:12>192.168.1.232 Connect Failed	
2008/07/02 09:59:42>192.168.21.22 Start Connect	
2008/07/02 09:59:42>192.168.21.22 Start Connect	
2008/07/02 09:59:42->192.168.1.232 Start Connect	
2008/07/02 09:59:42>192.168.1.232 Connect Success	
2008/07/02 09:59:42>192.168.1.232 Connect Failed	
2008/07/02 09:59:47>192.168.21.22 Connect Failed	
2008/07/02 09:59:47>192.168.21.22 Connect Failed	
2008/07/02 10:00:12>192.168.1.232 Start Connect	
2008/07/02 10:00:12>192.168.1.232 Connect Success	
2008/07/02 10:00:13>192.168.1.232 Connect Failed	
2008/07/02 10:00:17>192.168.21.22 Start Connect	
2008/07/02 10:00:17>192.168.21.22 Start Connect	



v.

When click on the view, the digital zoom panel will be displayed to control the digital zoom in/out.

vi. Snapshot. Select the view first and then click on this button to save the view image.

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T	

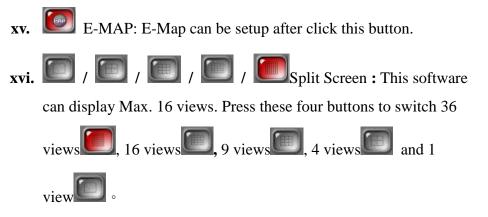
vii. PTZ controller interface. Provides Focus Zoom and IRIS.

- viii. Emergency Record Status Light.
- ix. Close the program.
- **x.** Get into administrator page.
- **xi. IVI :** Recorded video playback
- xii. Emergency REC. Click this button to start recording immediately in emergency situation. To stop recording, please click the button again.
- **xiii.** Download the file. Click this button to download the specific time period file within the Group. After finish selecting

the Start and End Time, please click button to start download

iv. \square / \square : Minimize the program / Full Screen mode \circ

Minimize the program to the windows toolbar. / To exit the full screen mode, use "Esc" or right-click the mouse.



VI. EMERGEMCY RECORD & DATA BACKUP

Click button to enter Emergency Record mode. Moreover, click button to perform data backup. The operating instruction is shown in the following.

A. EMERGENCY RECORD





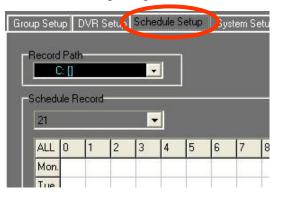
button to

i. Before operate Emergency Record, please click

enter administrator page.

Group Setup DVR Setup Schedule Setup System Se	tup UserSetup About		_
		Channel Live View	
GROUPLIST			
	E- DVR List	1	
DVR:DVR-04CH_CH:1	DVR-04CH		6
- DVR:DVR-04CH_CH:2	DVR-04CH		
- DVR:DVR-04CH_CH:3	m-12 DVR-16CH		
DVR.DVR-04CH_CH:4	DVR		
DVR:DVR-04CH CH:5			
- DVR DVR-04CH CH:6	DVR.		
- DVR:DVR-04CH_CH:7	DVR-08CH		
DVR:DVR-04CH_CH:8	E DVR-16CH	Display All Frame Ch Name View1	
DVR DVR-04CH CH 9	DVR-16CH		
- DVR:DVR-04CH_CH:10		View2	
- DVR:DVR-04CH_CH:11		View3	
DVR.DVR-04CH_CH:12		View4	
- DVR:DVR-04CH_CH:13		View5	
- DVR:DVR-04CH_CH:14		View6	
- DVR:DVR-04CH_CH:15		View7	
- DVR:DVR-04CH_CH:16		View8	
- DVR DVR-16CH_CH 1		View9	
- DVR:DVR-16CH_CH:2		View10	
- DVR:DVR-16CH_CH:3		View11	
- DVR DVR-16CH_CH:4		View12	
- DVR:DVR-16CH_CH:5		View13	
- DVR:DVR-16CH_CH:6		View14	
- DVR:DVR-16CH_CH:7		View15	
- DVR DVR-16CH_CH:8		View16	
- DVR DVR-16CH_CH.9			
- DVR:DVR-16CH_CH:10		AL	
- DVR:DVR-16CH_CH:11		None	
- DVR:DVR-16CH_CH:12			
DVR DVR-16CH_CH 13			
- DVR:DVR-16CH_CH:14			
- DVR:DVR-16CH_CH:15			
- DVR:DVR-16CH_CH:16			
- DVR DVR-08CH_CH:1			
- DVR:DVR-08CH_CH:2			
- DVR:DVR-08CH_CH:3			

ii. Then, select Schedule Setup tag to enter to schedule setup page. As the following image,



iii. Click on the drop down list of 1. Record Path block to select the HDD to save the Emergency Record file. After that, click on



button to save the setting. Finally, click on 3.



button to exit System Setup page.

1	Group Setup DVR Setup Schedule Setup System Setup User Setup About	2. 🔳
	DVR-04CH Image: Control of the state of the	3. 💿
	Mon Twe Wed Thu Fri Sat Sat Sun Ster Time 2009/03/12 ▼ 17 ▼ End Time 2009/03/12 ▼ 23 ▼ ↔ ↔ ↔	



iv. Under the Real-Time Image mode, please click button to start Emergency Record.

			DVR-18CH-View10 No Video	tweet is worker the office DVR-18CH-View11 No Video	DVR-16CHView12 No Video	
DVR-16CH View13 No Video	DVR-16CH/View14 No Video	DVR-16CH.View15 No Video	DVR-16CH View16 No Video	DVR-04CF-2009/08/18 18 5810	DVR-04CF 2009/06/18 18 58 10	URODA LINT
5VR44C-2019/04/18 185910 8 7 6 5	DVR-04CF2009/09/18185810	No Video		DVR-08CF-2009/08/1815-1-33	DVR-08CF-2009/08/18 18 51 32	Audo
No Video	No Video	No Video	No Video	No Video	No Video	()
No Video	No Video	No Video	No Video	No Video	No Video	
Event Li	st Co	Digital Zoom				18 18 54 34 Aup 1 Area 11 V

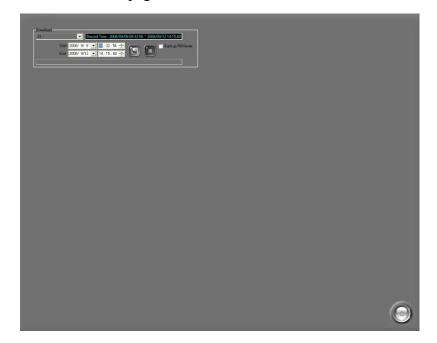
NOTE: This Emergency Record is for GROUP view recording.

When start recording, the will become red. If the Emergency Record does not stop by the user, the system default for recording time of Emergency Rec. is 5 Minutes.

B. DATA BACKUP

The Data Backup of DVR/NVR Central Management System is to backup the data from the connected DVR(s)/NVR(s).

i. Under the Real-Time Image mode, please click button to enter Download page.



ii. Click DVR/NVR drop down list to select the backup DVR/NVR and then, it will display the DVR/NVR recorded time period on its right hand side.



iii. Select the Start and End backup time.

Download DVR2	Record Time : 2008/09/11 09:33:13 ~ 2008/09/12 14:21:48
	Start 2008/ 9/11 ▼ 10:33:13 ÷ ■
2	

iv. Click button to select data saved folder and then click



to start backup.



NOTE: 1. If the user wants to stop backup immediately during

the backup period, please click **button** to stop it.

2. Each backup file will be named as START TIME.

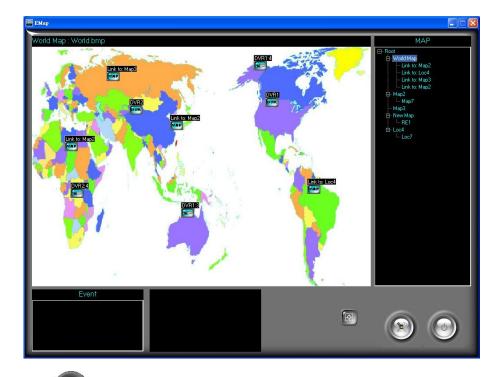
For example: (20080630154009.264)

- **3.** Click "Backup R6Viewer" option can download R6 Viewer software.
- 4. The downloaded *.264 file has to be played by CMS software and R6 Viewer software. It has not supported by other media player.

VII.E-MAP



Click button to entry E-Map setup page.



- i. Setup: E-MAP setup page.
- **Exit:** Exit E-MAP. ii.
- × Refresh: Refresh E-Map. iii.

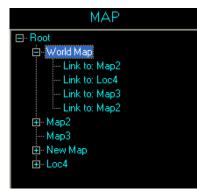
A. E-MAP MONITOR

When DVR/NVR, Camera or Sensor of the E-Map detect disconnection

motion and alarm , the icons will be flash and the events will be added into the event list.

B. MAP TREE

This will present the structure of the E-Map.



C. EVENT LIST

When disconnection, motion and alarm are triggered, the events will be added to the event list.

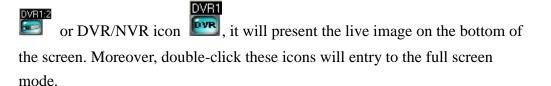


D. LIVE MONITOR

Click the left button of the mouse on the sensor icon

, camera icon

DVR2



E. E-MAP SETUP



<u>n v P</u>

button to entry the E-Map setup page.

≝ EMap	
	Mep [Min] Bod
e e v e 2	4

In the following, the screen of E-map setting will separate into four blocks to instruction.

Block1: The setup DVR/NVR which connected by CMS software.

Moreover, click the tags Map DVR to switch the setup E-map and the connected DVR/NVR. Click the right button of the mouse on the E-Map

<u>S</u>elect Map <u>E</u>dit Name <u>D</u>elete

can select the map, edit the name and delete the map

Block 2: The icon of devices which can drag and pull to the map.

EXACUTE: Add the alarm in the map. Click the icon can see the live view of alarm device.

Image: Add the camera in the map. Click the icon can see the live view of the camera.

: Add the DVR/NVR in the map. Click the icon can see the live view of the DVR/NVR.



EXAD : Add the map in the map. Click the map icon will link to another map.

Block 3: It presents the selected E-map image and node.

Block 4: The function instruction of the following button.



: Reserve the setup



: Exit the E-map page.

Add the E-Map

The fundamental operating steps of add a new E-Map

i. Select the Node first to add a new E-Map. Such as "Root" node in the beginning.



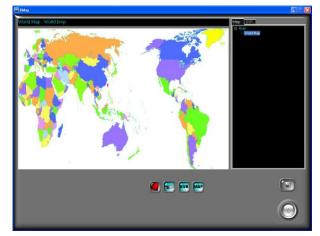
ii. Drag and Pull iii of block 2 to block 3 and the following dialogue box will pop-up.

Tree Node Setting	×
Node Name	<u> </u>
5	

User can click button to complete the setting or click the drop down list to select the map. After click the drop down list, then select "Create New Map (Not Link to Existed Map)" option. The following dialogue box will pop-up.

Tree Node Setting	
Map Path	
Node Name	
Click	button to select the image of the map and key in the
name of new r	nap in Node Name

iii.Finally, click to complete the new map setting.

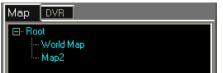


If the user wants to create the new E-map, please follow the above three steps.

Add the E-Map Link

The fundamental operating steps of add the link for exist maps. (* Make sure there are more than two maps)

As the following image, there are two maps that have setup



If the user wants to create a link of one map into another map, such as the link of "Map2" in "World Map" in above image, please follow the following steps.

- i. Please click the map in Block 1 which wants to add the link from another map. (i.e. World Map)
- **ii.** Drag and pull the **icon** form Block 2 to Block 3, and then select "Map 2" in the drop down list of Node Name.



iii. Finally, click button to complete the map setting.

iv. As the following image, there is a link of "Map2" in the "World Map".



Add the DVR/NVR

The fundamental operating steps of add the new DVR/NVR.

- i. Select the map on Block 1 first. Such as "World Map"
- ii. Drag and pull the icon from Block 2 to Block 3.



iv. Finally, the new DVR/NVR icon will be shown within the E-Map.

DVR1

Add the Camera

i. Select the map on Block 1 first. Such as "World Map"



DVR1:2

4

and then select the camera

iv. Finally, the new camera icon

will be shown within the E-Map.

in the following.

Select DVR

1 2 Add the Sensor

- i. Select the map on Block 1 first. Such as "World Map"
- ii. Drag and pull the

icon from Block 2 to Block 3.

Select DVR 🔸

<u>1</u>

2

- iii. From the pop-up window, select the DVR/NVR
 - DVR1_Sensor
- iv. Finally, the new sensor icon will be shown within the E-Map.



button to reserve the setup.

VIII. VIDEO PLAYBACK



to enter Video Playback mode.

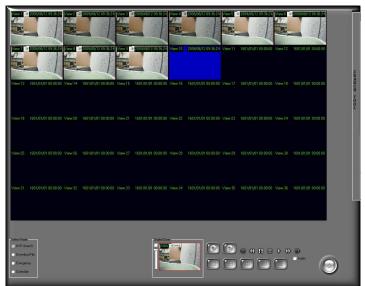


A. VIDEO PLAYBACK

Please select the Video Playback mode. There are DVR/NVR Search, Download File and Emergency Rec. and Schedule playback modes. For the following image,



i. DVR/NVR Search



a. Under the DVR/NVR Search playback mode, move the mouse to the right of the screen. SEARCH TOOL will pop-up. For the following example,

HDD 1	HDD 1 🔹			
Index	Start Time	Event	Channel	
1	2008/07/02 11:47:20	POWER C		
2	2008/07/02 11:45:01	POWER C		
3	2008/07/02 11:39:51	POWER C	72	
4	2008/07/02 11:35:49	POWER C		
5	2008/07/02 11:31:14	POWER C		
6	2008/07/02 10:59:35	POWER C		
7	2008/07/02 10:56:01	POWER C	**	
8	2008/07/02 08:56:53	RECORD		
9	2008/07/02 08:54:18	POWER C	**	
10	2008/07/02 08:52:59	POWER C		
11	2008/07/02 08:51:22	POWER C	-	
12	2008/07/02 08:50:22	POWER C		
13	2008/07/01 20:59:18	RECORD		
14	2008/07/01 20:58:31	POWER C		
15	2008/07/01 20:57:58	POWER C		
16	2008/07/01 20:56:36	POWER C		
17	2008/07/01 20:55:37 earch	POWER C		

b. Select the DVR/NVR first, then it will display the recording time of the selected DVR/NVR.

- **c.** After selected the playback DVR/NVR, video playback will be operated by doing Event Search and Time Search.
 - c-1. Event Search
 - c-1-1. Select the playback HDD of DVR/NVR



c-1-2. After selected the HDD, it will display all trigger events to the following table. Double-click the left button of the mouse on the trigger event. For the following example,

Index	Start Time	Event	Cha
1	2008/07/02 11:53:44	POWER C	
2	2008/07/02 11:51:38	POWER C	223
3	2008/07/02 11:47:20	POWER C	-24
4	2008/07/02 11:45:01	POWER C	22
5	2008/07/02 11:39:51	POWER C	-
6	2008/07/02 11:35:49	POWER C	
7	2008/07/02 11:31:14	POWER C	
8	2008/07/02 10:59:35	POWER C	

- c-1-3. After finish the above setting, the playback screen will play the selected event video.
- c-2. Time Search
 - c-2-1. Please select the playback start time within the Time Search block.



- c-2-2. After finish the time setting, please click button to start video playback.
- **d.** Click / / / / / / / / / button to switch the

playback split screen 1 CH/ 4CH/ 9CH/ 16CH/ 36CH.

- e. Click 🔲 to stop playback. Moreover, click 🕨 to start playback.
- **f.** Use **b** & **c** to fasten the forward and rewind playback speed.

(NOTE: Forward and Rewind playback only display I Frame.)

ii. Download File



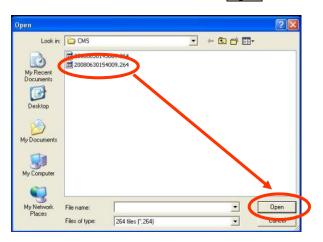
a. Select Download File option within Select Mode block. Then,



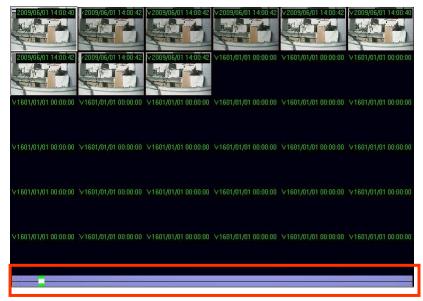
button to open the playback file.

Look in	CMS	•	- 🗈 🗗 📰	•
My Recent Documents	2008063014			
Desktop Documents				
y Computer				

b. Select the file first and then click **Open** button to start playback.



c. Within the playback image, the user can use the seeking bar which is under the playback screen to find out the specific time-point. As the following example,



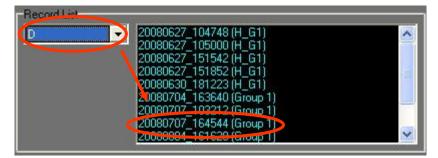
iii. Emergency Rec.



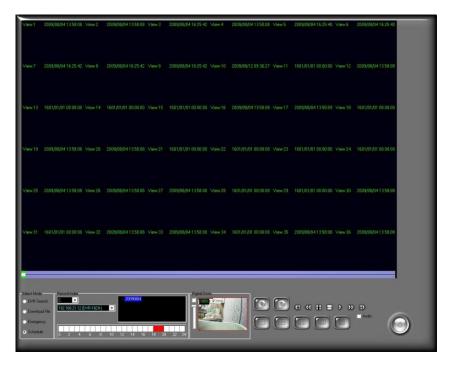
 a. Select Emergency Rec. option within Select Mode block. The Record List block will pop-up on the left of the Select Mode block.



b. Select the HDD which saved the Emergency Record file, and then double-click the left button of the mouse on the Emergency Record file which wants to playback.



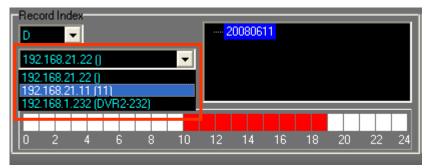
iv. Schedule



a. Select schedule option within Select Mode block. The Record Index block will pop-up.

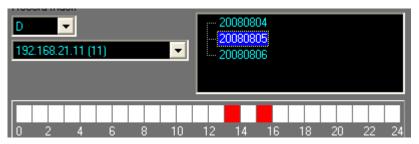
Record Index	<mark>20080611</mark>
192.168.21.22 ()	
0 2 4 6 8 10	12 14 16 18 20 22 24

b. After selected the hard disk, the drop down list will display the DVR(s)/NVR(s) which has reserved the data of Schedule Record.



c. After selected the DVR/NVR, it will display the date which possesses the data of Schedule Record. As the following image,

clicking the different date will present the correspondence Schedule Record time period. (NOTE: The time period will become red while having Sync Record data.)



d. Finally, double-click the left button of the mouse on the red time period to perform the video playback.

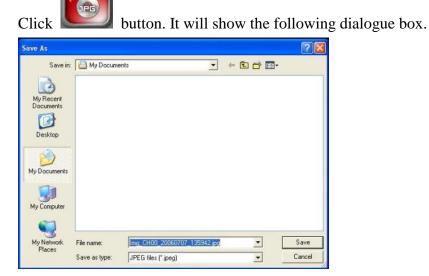


B. EXPORT IMAGE

a.

Image data can be export as JPG or AVI format.

i. Export as JPEG format:



- **b.** The default filename will be named as "Img_channel_ yyyymmdd_hhmmss.jpg" format. The user can decide the filename and the saving path.
- **ii.** Export as AVI format:

Click

a.



button. It will show the following dialogue box.



 b. The default filename will be named as "AVI_ yyyymmdd_hhmmss.avi" format. The user can decide the filename and the saving path.

IX. DIGITAL ZOOM

By enabling the digital zoom function, user can zoom in/out the image to get proper view. Digital zoom can be functionalized in live-viewing, playback viewing. The following figures refer to the digital zoom panel.



There are three main components of digital zoom panel.



i.

: Preview window. The image or video in the

preview window is not live, the image frame will be updated within a time interval. The red frame indicates the live-viewing window, and the number of the left-down corner indicates the zooming rate.

- ii. Digital zooming bar. By moving the control bar up or down, the live-viewing and preview window will be zoomed in or out. The zoom rate is from 100% to 1000%.
- iii. Zoom status. By un-check this function, the image or video will be displayed in the original size.

X. REMOTE CONTROL

Through activating the function of Web server, Remote program server and RemoteLite program, DVR/NVR Central Management System (CMS) provides web server browser, remote program and remote lite program for user's demand.



button to the administrator page, select System Setup tag to

enable remote connection mode.

Server Veb Server	Port	80
RemoteAP Server	Port	2224
RemoteLite Application		
C		
	1000	

A. Web Server

Enable Web Server will allow web browser to connect to DVR/NVR Central Management System (CMS) server to monitor real-time image. Please refer to instructions in the following.

- Connection Method: In Windows Vista, please click right click on the IE web browser and select "Run as administrator" to start the program. For example, within Internet Explorer 7, input the address: <u>http://192.168.1.104/</u> (which is seen in above image 192.168.1.104/).
- ii. Connection Page: After successfully connected, the user will see the operating interface shown in the following:

Online Montoring		
You can monitor the real time images from the remo	të sërver.	
	Internet Explorer - 安全性警告	Home
8	上名要支装运量数数? 名特: IEremobility.cob 没行者: Yideo System co. LM. () 更多違項(○) 交装(□) () 更多違項(○) 交装(□) () 都然完善情報/報告的協士可能是有用的,但是這個檔案將動有可能會像 ● 都然完善情報/報告的協士可能是有用的,但是這個檔案將動有可能會像	

Click "Install" button to install HRemoteLiteX.cab

iii. On-Line Monitoring: The function has to operate with "Remote AP Server" enabled. If the OS has installed Windows XP or

Windows Vista, please perform the following internet options setting steps:

Server	b Server Port 80
🔽 Ren	noteAP Server Port 2224
b.	Click the "Tools" \rightarrow "Internet Options"
	Tools Help
	Mail and News
	Pop-up Blocker 🕨
	Manage Add-ons
	Synchronize
	Windows Update
	Windows Messenger
	Internet Options
•	
C.	Click "Security" \rightarrow "Trusted sites"
	Internet Options
	General Security Privacy Content Connections Programs Advanced
	Select a Web content zone to specify its security settings.
	Internet Local intranet Trusted sites Restricted sites
	Trusted sites This zone contains Web sites that you
	V Trust not to damage your computer or data.
	Security level for this zone
	Custom Custom settinas.
	To change the settings, click Custom Level. To use the recommended settings, click Default Level.
	Custom Level Default Level
	OK Cancel Apply

c. Click sites, then unclick the option in Step 1. Input the IP address of the recording software server in the "Add this Web site to the zone" area, then click "Add" button (Step 2) to complete the trusted sites list. Finally click "OK" to exit.

in this zone will use the zone's sec	curity settings.
Add this Web site to the zone:	4.
	Add
Web sites:	
http://192.168.1.104	Remove

d. After entering "Online Monitoring", please click "information bar" when enter the first time. (The prompted information is normally located under the browser).

🜒 To help protect your security, Internet Explorer stopped this site from installing an ActiveX control on your computer. Click here for options...

a. Within the pop-up drop down list, please click "Install ActiveX Control...".

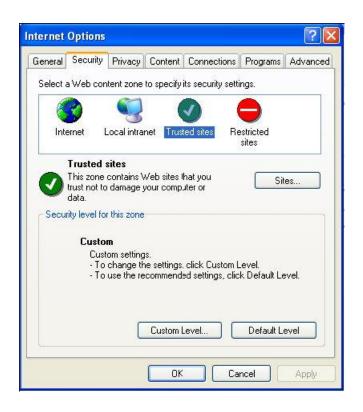
X

Install A	ctiveX Control
What's I	the Risk?
Informa	tion Bar Help

b. Click "Install" to perform the installation.



c. If the installation does not work, please click "Tools" →
 "Internet Options..." → "Security" tag → "Custom Level"



Security Settings window will pop-up, and the user has to change the following options:

Ŷ	Download signed ActiveX controls Disable	
	Enable Prompt	→ Set for "Prompt"
Î	Download unsigned ActiveX controls	
	 Enable Prompt 	→ Set for "Prompt"
Î	Automatic prompting for ActiveX controls	
	💿 Enable	→ Set for "Enable"
F	Initialize and script ActiveX controls not marked as safe Disable Enable	
	×	→ Set for "Prompt"

After complete the setup, please repeat Step d~ Step f.

h. After the installation, the online monitoring page will show as following:

DVR:View1 No Video	DVR:View2 No Video	DVR:View3 No Video	DVR:View4 No Video	DVR:View5 No Video	DVR:View6 No Video	Remote	
DVR:View7 No Video	DVR:View8 No Video	DVR:View9 No Video	DVR:View10 No Video	DVR:View11 No Video	DVR:View12 No Video		
DVR:View13 No Video	DVR:View14 No Video	DVR:View15 No Video	DVR:View16 No Video	DVR-16CH:View17 No Video	DVR-16CH:View18 No Video		G
DVR-16CH:View19 No Video	DVR-16CH:View20 No Video	DVR-16CH:View21 No Video	DVR-16CH:View22 No Video	DVR-16CH:View23 No Video	DVR-16CH:View24 No Video		R O U P
DVR-16CH:View25 No Video	DVR-16CH:View26 No Video	DVR-16CH:View27 No Video	DVR-16CH:View28 No Video	DVR-16CH:View29 No Video	DVR-16CH:View30 No Video		I S T
DVR-16CH:View31 No Video	DVR-16CH:View32 No Video		DVR-08CH:View34 No Video		2009/08/06 19:37/52		
		0	Digital Zoom	Password	admin roos	2009/08/06 13:40:24 LIVE(Group1:Area1)	
nput	the	со	rrect	Use	r N	ame	and
	admi	n				6	1
Passwo	ord], ar	nd the	n click	82	to
onnect	t with th	ne cam	era.				

- iv. Remote Online Monitoring Control: Please refer the following steps to remove Online Monitoring software
 - a. Select "Tools" \rightarrow "Internet Options..."



i.

b. Select "Programs" tag → "Manage Add_ons..."

Seneral	Security	Privacy	Content	Connections	Programs	Advanced
Interne	t program	s				
9		an specify nternet se		iram Windows a	automatically	vuses for
	HTML 6	editor:	Microso	oft Office Word	I	~
	E-mail:		Outloo	k Express		~
	Newsg	roups:	Outloo	k Express		~
	Interne	et Call:	NetMe	eting		~
	Calend	ar:			000000000000000	~
	Contac	t List:	Addres	is Book		~
Defau	It web bro	wser				
E	Intern brows		er is the del	ault web	Make de	əfault
	🔽 Tell	me if Inte	rnet Exploi	er is not the d	efault web b	rowser.
Manag	e add-ons					
G		e or disable ed in your	e browser a system.	add-ons	Manage a	add-ons
	-					

c. Select "Downloaded ActiveX Controls" option, and then choose "HRemoteLiteX Control", finally click "Delete" button and "OK".

View and manage add prevent some webpag	l-ons that are installed es from working correc	on your computer tly.	Disabling or deleting	g add-ons might
Show: Downloaded ActiveX	Controls (32-bit)	~		
Name Pu	blisher	Status	Туре	File
Enabled				
RemoteLiteX Control (No	t verified) OnlineMoni	t Enabled	ActiveX Control	REMOTE
	,			
Shockwave Flash Object Ad	obe Systems Incorpor	a Enabled	ActiveX Control	Flash9e.ı
		a Enabled	ActiveX Control	
<	obe Systems Incorpor			Hash9e.
< Seting:		Delete Active	<	
<			e of an ol above and	

Internet Explorer 6 · Windows XP or Windows 2000 :

- a. Open the OS installation folder, such as "C:\Windows" or "C:\WINNT".
- b. Open "Downloaded Program Files" folder.
- c. Right-click the mouse on "HRemoteLiteX Control" option and select "remove" to delete Remote Online Monitoring Control.
- v. Download the remote program: When select "Download remote program" from main page, the user can download the installation file of remote program.

B. Remote Program

By starting remote program, it enables Remote Program to connect with the PC Server which is using DVR/NVR Central Management System (CMS). Remote program allows user to remotely "View Live Video", "Setting", and "Playback". The operation of Remote Program is similar to DVR/NVR Central Management System (CMS) Server.

- Program Installation: Remote software program has been installed when installs DVR/NVR Central Management System (CMS) into PC.
- ii. Program start:
 - a. Remote program was installed with DVR/NVR Central Management System (CMS) installation: Select "Start"
 → "Program" → "CMS Software " → "Remote" to start the program.
 - b. With Windows Vista, please right-click the remote control program, then select "Run as administrator" to start the program.

						2009/08/06 12:24:46 LIVE(Group1:Area1)
1	Event List	Digital Zoom		0	_	USER:admin
DVR-16CH:View31 No Video	DVR-16CH:View32 No Video	2009/08/06 1 2:22:01	DVR-08CH:View34 No Video			
		No video		No video	140 1140	
VR-16CH:View25 No Video	DVR-16CH:View26 No Video	DVR-16CH:View27 No Video	DVR-16CH:View28 No Video	DVR-16CH:View29 No Video	DVR-16CH:View30 No Video	
No Video						
OVR-16CH:View19	DVR-16CH:View20	DVR-16CH:View21	DVR-16CH:View22	DVR-16CH:View23	DVR-16CH:View24	
No Video						
0VR-04CH:View13	DVR-04CH:View14	DVR-04CH:View15	DVR-04CH:View16	DVR-16CH:View17	DVR-16CH:View18	
OVR-04CH:View7 No Video	DVR-04CH:View8 No Video	DVR-04CH:View9 No Video	DVR-04CH:View10 No Video	DVR-04CH:View11 No Video	DVR-04CH:View12 No Video	
No Video	Remote					
DVR-04CH:View1	DVR-04CH:View2	DVR-04CH:View3	DVR-04CH:View4	DVR-04CH:View5	DVR-04CH:View6	Remote

- iii. Connection Setup: Please refer to following steps.
 - a. Before the remote program connected, please insert the Server IP, User and Password of the main CMS.



- **b.** Eull Screen Mode. To exit the full screen mode, please right-click the mouse.
- c. E Minimize the program.
- **d.** Let auto switching channel. Users can set different auto switching combinations.
- e. Manual recording. User may start recording

immediately. To stop recording, please click the recording button again.



Playback mode. Display the recording data of the

server.



: Setup Page.



Exit the remote program.

C. Remote Lite

Remote Lite is a CMS remote software which is different from DVR/NVR Central Management System (CMS) Server. Basically, Remote Lite is designed for live-viewing only. It is not allowed user to playback or to change any setting. The Remote Lite is exported by the DVR/NVR Central Management System (CMS). User can select each channel or part of them to export. In Windows Vista, please right-click on the remote



lite program, then select "Run as administrator" to start the program.

No_Video	No_Video	No_Video	No_Video	
No_Video	No_Video	No_Video	No_Video	
No_Video	No_Video	No_Video	No_Video	
No_Video	No_Video	No_Video	No_Video	
			Barrer O Remo	



Click button to connect with the CMS Server, as the following



APPENDIX A: GRAPHIC CARD TEST TABLE

The following list presents the graphic cards which have been tested with Network Recording Software Premium series.

OS			
Windows 2000	ATI	RADEON 7500	
Windows 2000	NVIDIA	Geforce 6200	
	ATI	RADEON 9200, RADEON 9550, RADEON XPRESS 200	
Windows XP	NVIDIA	GEFORCE 6200, GEFORCE 6600, GEFORCE 7100,	
		GEFORCE 7300, GEFORCE 8500, GEFORCE FX 5200	
	ATI	RADEON XPRESS 200M, RADEON HD 2400 PRO	
Windows Vista	NVIDIA	Geforce 8500	
	Intel	G33	

- NOTE 1: All the graphic cards which are shown in above table have to update their driver to the latest version. Please go to ATI, NVIDIA or Intel official website to update the driver.
- NOTE 2: By using Windows Vista, due to Intel G33 Driver (Version: 7.14.10.1461) from its OEM have not supported Vista DirectX 10 yet, it cannot display the image within Overlay mode while operating Dual-Monitor. Therefore, this caused problem still wait for the solution from its OEM.