CONTENT

NETWORK VIEWER

USER MANUAL



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APPENDIX-

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Chapter 1 Network Viewer

The DVR Viewer is a dedicated client program that connects to, monitors and manages up to 16 DVRs simultaneously.

1.1 SYSTEM REQUIREMENT

The DVR Viewer receives, decodes and displays data for up to 16 DVRs or up to 256 cameras simultaneously requiring a powerful personal computer to take full advantage of the program. The following is the minimum and recommended PC specification.

	Minimum	Recommended
OS	Windows 2000	Windows XP
CPU	Pentium III 1 Ghz	Pentium IV 2.8 Ghz
RAM	128MB	512MB
Video Card	16MB	128MB
Free Space	50MB	2GB
Resolution	800x600x16	1024x768x32
DirectX	DirectX 7.0	DirectX 9.0c
Network	Ethernet 10/100B-TX	Ethernet 10/100B-TX
Port	Port 5400 ~ 5499 TCP	Port 5400 ~ 5499 TCP

1.2 Be sure to setup THREE of files together when you execute the viewer program on PC.

There are three of setup file on Viewer CD. The one is viewer executer, the others are UDF Drivers.

1. What is UDF DRIVER?

The UDF Drivers is necessary to execute the copying data from CD/DVD on PC using Window XP. If do not setup this UDF Driver files, you will be faced with following problems. This is applying to *WINDOW OS* only.

2. What is happen without UDF DRIVER?

The playback of copying data of CD/DVD is normal when connect to PC at first time. But, the second time playback is no working well on the small viewer when connect to PC.

This is no continuous with ART-DVR and Viewer, it depend on Window OS. This problem is no appearing either latest Test and first stage of development. It caused problem from Update of windows. When use the Media such as CD-RW, DVD on PC, it needs to setup the "UDF Driver." Under Window XP, our DVR automatically setup the UDF Driver. But the UDF Driver is modified under updated windows recently.

So, User who uses the window XP have to setup the UDF Driver manually.

3. How to setup the UDF DRIVER in safety.

There are two type of acting file- "udfread_v5.1.1.213_inst.exe" and "updateudfreader_7.exe". De executes the <u>"udfread_v5.1.1.213_inst.exe</u>" at first. Next do executes the "<u>updateudfreader_7.exe</u>".

Please take the turns, do NOT change the order.

1.3 INSTALLING THE DVR VIEWER



Insert the program CD into the CD-ROM or DVD-ROM drive of the computer and locate the SETUP.EXE file.

Double-click on the setup file, and the program will start the installation.

Click on NEXT.

The DVR viewer will be installed in its default folder of C:\Program Files\DVR\DVR-Viewer. If the folder needs to be changed, click on "BROWSE..." button and then select a different folder.

The setup program will run through its series of installation process.

Click on FINISH to complete the installation.

1.4 DVR VIEWER - LAYOUT

Locate the DvrViewer icon on the desktop and double-click on it to run the client software. The program can also be located in START- Programs – DVR-Viewer.

🕒 DVR View	er	×
>> Enter Pa	ssword for Administrator	
Pa	ssword	
Confirm Pas	sword	
	ОК	

When the DVR Viewer is run for the first time, it prompts for the administrator's password.

Select and enter a password of up to 20 alphanumeric characters.

Click on OK to start the program.

The DVR Viewer has two display modes. When the program is run for the first time, it will be shown in the attached mode The DVR Viewer then can be switched into detached mode to view up to 16 DVR windows simultaneously.



1. DVR LIST

The DVR List adds or removes individual DVRs and offers a variety of connection options.

	🔄 Dvr List			_ 🗆 🗙
	Name	Ip Address / Com Port	MAC Addres	s
	DVR 1	216.70.136.214	00:0A:2F:20:06	
a	DVR 2	216.70.136.214	00:0A:2F:40:04	:99
				Count:2
	[Dvr Information]			
b	Type 💽 Network	C RS-232C	O RS-485	
c	DVR Name DVR 1		Use Ip Serv	ver 🗖
d	IP / Port / MAC 216 . 70	. 136 . 214 5400	➡ 000A2F20060	D6 6
f	Domain Name		Use DDNS	
g	Serial Port None	Baud Rate	9600	-
h	Password			
	Description	1		
i —				
	Add Change	Delete Co	onnect C	ancel

a. DVR List

The DVRs that have been added are listed in this box.

b. Connection Type Select the connection type to the DVR.

c. DVR Name Enter the DVR name.

d. IP Address and Port

Enter the IP address and the port number for the DVR, if known.

e. Use IP Server

The DVR can be located on the internet using the MAC address displayed in the status screen. If the MAC address is to be used, "Use IP Server" box must be checked.

f. Domain Name / Use DDNS

The DVR can be located on the internet using a domain name, or a web address. The DVR must be registered with a Dynamic DNS service in order to be located. If the Domain Name is to be used, "Use DDNS" box must be checked.

g. Serial Port

Select the COM port and the baud rate if RS-232C or RS-485 protocols are used to connect to the DVR.

h. Password

Enter the password to access the DVR remotely. The password level entered will grant the access privileges assigned by the administrator.

i. Description

Add comments or notes to the DVR in this box.

j. Add

Once all the information for the DVR has been entered, click on ADD to add to the DVR list.

k. Change

After changing the DVR information, click on CHANGE to update the DVR information.

I. Delete

Highlight a DVR from the DVR List and then click on DELETE to remove from the DVR List.

m. Connect

Highlight a DVR from the DVR List and then click on CONNECT to remotely connect to the DVR.

n. Cancel

Click on CANCEL to exit from the DVR List menu.

2. DVR SEARCH

Within a local area network environment (LAN), it is possible to automatically scan and list available DVRs to be added to the DVR list.



Click on DVR SEARCH to open the DVR Search window.

) DVR	5earch			>
No	Dvr Name	IP Address	MAC Address	
1	192.168.1.3	192.168.1.3	00:04:2F:20:06:2D	
s	iearch	Add	to List Ca	incel

Click on SEARCH, and available DVRs will be listed.



Highlight a desired DVR to add to the DVR List, and then click on ADD TO LIST.



"DVR List Added." Message will appear with a successful addition to the DVR list.

Click on CANCEL to exit from DVR Search.

3. HDD SEARCH

The hard disk drive from the DVR can be directly connected to a PC, where the files can be searched and played back through the DVR Viewer.

Select DVR HDD	
	0000/00/00 00:00:00
OK	Cancel



Click on HDD SEARCH to open the HDD Search window

Select a hard disk drive, and then click on OK.

Recorded channels will be shown in the main channel display window.

The content of the hard drive can be further searched and played back using any one of the search features, or using the playback buttons to playback in slow, fast, or paused mode.

4. FILE SEARCH

Backed up files and files that have been downloaded can be searched and played back.



Click on FILE SEARCH to open the File Search window.



If the desired file is not listed in the current folder, then select the folder in which the files are saved by clicking on FOLDER SELECT.

Select a file to view, and then click on PLAY to begin the playback. The file can also be played back by double-clicking on it.

Channel :	1	17 : 13 : 35	
•	, ,		•
Ptay	AVI Convert F	older Select Ca	ncel
○ - ○ < = = = :	£ @r		
CH			.04
08			04

Once the playback starts, it can be slowed, paused and fast forwarded using the playback buttons.

The playback list can be viewed and selected again from the TIME search button once the playback starts.

5. ARRANGE WINDOW

Arrange window button works only in detached window mode (See #9). When viewing multiple DVRs, clicking on ARRANGE WINDOW sort and display all DVR connection windows in a tile format.



5 ~ 9 DVRS

10~16 DVRS

6. VIEWER OPTION

Viewer option defines the administrative options for the DVR Viewer, such as display options and the IP address of the Dynamic IP Server, and user management to create user name and passwords for additional users to access the DVR Viewer.

6.1 Viewer Option

Display				
Channel Titl	9	Even		
☐ Date Time		Frame	Rate	
Dynamic IP Serv	61			
Main Server	211	.174.251.	155	-
Backup Server	211	174.251	160	
Warning Sound		Node		
Event		Frame M	lode 🔄	3
WaterMark Chec	*			
🖵 Live Mode	1	🗸 Playba	ick Mode	
File Split Mode				
C 4	C 9		• 16	
1 1	2 🛊	3 🛊	4 \$	
5 🔹	6 1	7 🛊	8 🜲	
9 🔹	10 单	11 韋	12 韋	
	14 🛊	15 🜲	16 🜲	

Click on VIEWER OPTION to open the Viewer Option window.

Check or uncheck various On Screen Display options as needed. By default, Channel Title, Event and Frame Rate are checked.

Modify the IP address for the Dynamic IP Servers as needed. The default IP addresses are:

- Primary Server: 211.174.251.155
- Secondary Server: 211.174.251.160

6.2 User Management

E Viewer Oplion	-	×
Display		-11
Channel Title	Event	
☐ Date Time	Frame Rate	
	100 Contraction (1997)	_
Dynamic IP Server	H	
Main Server	211.174.251.155	
Backup Server	211.174.251.160	
Warning Sound	Play Mode	
Event	Frame Mode 👱	1
WaterMark Check		
Live Mode	Playback Mode	
File Split Mode		
C4 C	9 🕫 16	
1 2 2	3 2 4 2	
5 \$ 6 \$	7 🔹 8 🔹	
9 🗢 10 🜩	and the second se	
13 🛊 14 🛊	15 \$ 16 \$	
	and the second	
Ok User M.	anagement Cano	ol
User		478
Odia		Int vi
User Name Description Administrator Administrator		
User Name Descriptio Administrator Administrator		
Administrator Administrator		
Administrator Administrator		
Advansional Advances and Advanc		
Administrator Administrator User Information User Name Administrator Description Administrator		
Administrator Administrator User Information User Information User Name Extension also Description Personal	n 7 Confirm Password	
Administrator Administrator User Name Enformation User Name Enformation Description Administrator Personal Live IP	n Confirm Passwood [DVR Setup P7	
Administrator Administrator User Information User Name (Edministrator Description (Edministrator Patrimod) Line (F) Saach & Flag (F) Copy (F)	n Confim Password DVR Setup DVR Context PT2 Context F7	
Administrator Administrator User Information User Name Edministrator Description Edministrator Petersod E Live IP Search Phys. IP	n Confirm Password DVR Setup 17 DVR Setup 17	
Administrator Administrator User Information User Name (Edministrator Description (Edministrator Patrimod) Line (F) Saach & Flag (F) Copy (F)	n Confirm Parsword DVR Setup I7 DVR Control I7 DVR Status I7 DVR Status I7	
Advente dat Advente dat Use Information Use Name Information Description Advente data Patrimod Use Firm Casy Fir Live Fir Casy Fir Use Audio Fir	n Confirm Pressword DVR Setup DVR Setup DVR Control F12 Control DVR Status DV	
Adventetar Adventetar	n Continn Password J DVR Setup DVR Control I PT2 Control I DVR Status DVR Status I DVR Status	•
Advente dat Advente dat Use Information Use Name Information Description Advente data Patrimod Use Firm Casy Fir Live Fir Casy Fir Use Audio Fir	n Continn Password J DVR Setup DVR Control I PT2 Control I DVR Status DVR Status I DVR Status	
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Adventite dat Adventite dat Adventite dat User Information User Name Parsmoot Live Information User Name Adde Drange Add Orange Other User Name Description	n Continn Password J DVR Setup DVR Control I PT2 Control I DVR Status DVR Status I DVR Status	•
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Advente dat Advente dat Advente dat User Information User Vanes Decopion Advente dat Advente dat Parsmod User Vanes Add Obange Decopion Advente dat User Name Decopion Parsmod User Im	n Confirm Parsmond DVR Setup DVR Setup DVR Setup DVR Setup Conferm Conferm Parsmond Detector DVR Setup DVR	•
Advente da Advente da Advente da User Information User Information User Name Personal Line Information Description Adde Dange User Name Description User Information	n Confirm Password DVR Setup DVR Setup DVR Setup DVR Setup Confern Password DVR Setup	•
Advente dat Advente dat Advente dat User Information User Vanes Decopion Advente dat Advente dat Parsmod User Vanes Add Obange Decopion Advente dat User Name Decopion Parsmod User Im	n Confirm Parsmond DVR Setup DVR Setup DVR Setup DVR Setup Conferm Conferm Parsmond Detector DVR Setup DVR	•
Advente dat Advente dat Advente dat User Information User Name Personal Personal Personal Personal Advente Pay Saach Pay P Coop P Live Audio P Coop P Live Audio Dunge User Information User Info	n Confirm Password OVR Setup P12 Control DVR Status P OVR Status P Confirm Password Confirm Password DVR Control P12 Control DVR Control P12 Control F	•

Click on USER MANAGEMENT to access the User Management window.

Modify the administrator's description and passwords as needed. Up to 20 alphanumeric characters can be entered for the password.

Т

Press CHANGE to save the modification.

To add additional users, click on ADD.



Enter the user name, description for the user, password and access privileges, and then click on SAVE to add the new user.

The user setting can be modified by highlighting the user and clicking on CHANGE once the changes are made.

Jser Name	Descrip	tion	
ministrator	Administra		
nager	Store Man	ager	
	ager		
r Name Mana			
er Name Mana scription Store		Confirm Password	
er Information er Name Mana scription Store assword Live		Confirm Password	
erName Mana scription Store assword	Manager		
r Name Mana cription Store issword Live	Manager	DVR Setup	

7. CHANNEL DISPLAY WINDOW

Live or playback video from the DVR is transmitted and displayed up to 16 channels. Each channel displays information regarding the specific channel according to the settings in VIEWER OPTION.

8. DVR CLOSE

The connected DVR can be disconnected by clicking on this button.

9. ATTACH / DETACH WINDOW

The channel display window can be attached or detached to the controls by clicking on this button.

10. TIME & VERSION DISPLAY

Displays the local time and current DVR Viewer version.

11. CHANNEL DISPLAY SELECTION

Any one of the single channels can be viewed in full screen mode by clicking on any channel numbers.

12. DISPLAY / MULTI CHANNEL VIEW MODE

Depending on the model of the DVR, the channel view modes can be changed by toggling on this button: 16 channel view mode, 13 channel view mode, 10 channel view mode, 9 channel view mode, 8 channel view mode, 7 channel view mode, 6 channel view mode, and quad view mode.

13. AUTOMATIC SEQUENCE DWELL TIME

Defines the dwell time for the automatic sequencing of view modes. Select from 1 to 9 seconds. The default is 3 seconds.

14. AUTOMATIC SEQUENCE

The channels sequence through different view modes automatically by enabling the AUTO button. Click on AUTO once more to stop the automatic sequence.

15. DVR CONTROLLER



Just as the IR remote controller, mouse and the front buttons on the DVR, the client software provides a controller to control the DVR remotely. The button functions are identical to the front buttons of this DVR. For more information on button functions,

16. PTZ CONTROLLER



Pan, Tilt and Zoom cameras can be controlled remotely through the DVR Viewer.

A. Channel select

Select the channel in which the PTZ camera is installed.

B. Directional buttons / Autofocus

Move the PTZ camera using the directional buttons. Toggle Autofocus on or off by clicking on AF.

C. Set preset points

Move the PTZ camera to the desired location, and then click on any of the 16 buttons to set a

preset position.

D. Move to preset points Click on any of the 16 buttons to move the PTZ camera to predefined preset position.

E. Zoom control
 Zoom in and out by clicking on the – or + buttons.

F. PTZ movement speed Select the movement speed ratio.

G. Focus control Focus in and out by clicking on the – or + buttons.

17. SETUP

Access the DVR setup window.(Please refer to the Main Manuel to access this function).

18. STATUS

Displays the current DVR status on System, Record and Network.

18.1 System

Video Type = NTSC	*
Software Version = 2.00	
Hardware Version = 1.1	
Celsius Temperature = 41 C Fahrenheit Temperature = 105 F	
Hdd Count = 1	
Hdd 1 = Record, 194480 MBytes	
Fixed Hdd Total Space : 194480 MBytes Fixed Hdd Free Space : 144231 MBytes	
Backup Hdd Total Space : 0 MBytes	
Backup Hdd Free Space : 0 MBytes	
	*

System status displays the following information:

- Video type
- Software version
- Hardware version
- Current temperature of the DVR in both Celsius and Fahrenheit
- Total number of hard disk drives
- Recording mode of the hard disk drives
- Total space of fixed hard disk drive
- Remaining free space of fixed hard disk drive
- Total space of backup hard disk drive
- Remaining free space of backup hard disk drive

18.2 Record

Record Program : 6	
Record Type : Complex Record Repeat : On	
Record Hdd : 1 Record Lba : 215992 ~ 102895992	_
Backup Hdd : 45 Backup Lba : 0 ~ 0	_
Record : OFF []	-

Record status displays the following information:

- Record program
- Event record mode
- Record repeat
- Number of record hard disk drives
- Logical Block Address of the record hard disk drives
- Number of backup hard disk drives
- Logical Bock Address of the backup hard disk drives
- Record status

18.3 Network



Network status displays the following information:

- Mac address
- IP address
- Subnet mask
- Gateway
- DNS
- Port

19. PRINT

In live or playback mode, select any of the channels and then click on PRINT to bring up the screen print window.



a. Zoom in / out

Click the + or – button to zoom in and out for the detailed view of the picture.

b. Paper size

Select the paper size. Available paper sizes are A3, A4, A5, B4, B5, Legal and Letter.

c. Print Send the picture to the printer.

d. Printer Select a printer to send the picture.

e. Save as

The picture can be saved as a JPEG or Bitmap format.

f. Memo

Add the memo for the picture to be printed.

g. Font

Select the font for the memo.

h. Date print Select the date print option on or off.

i. Preview window

The picture to be printed is previewed in this section.

20. COPY

The data on the DVR can be downloaded onto the PC using the COPY function. The data can also be backed up directly onto available backup media on the DVR.



a. Available data

Displays available data to be downloaded.

b. Hard disk drive selection

Select the hard disk drive to download from. If unknown, leave the selection on NORMAL.

c. Copy time

Define the interval of the file to be downloaded. Available time interval is 1 through 60 minutes. As the value is adjusted, the COPY END value will be automatically adjusted.

d. Copy start

Enter the starting time of the data to be downloaded.

e. Copy end

Enter the end time of the data to be downloaded.

f. Password

Encrypt the downloaded copy with a password. Up to 8 numbers can be entered for the password.

g. Channel

Select the channels to be downloaded.

h. DVR media

Select the media on which the DVR will utilize for backup. All three USB ports and the internal DVD burner can be selected.

i. Copy

Click on copy after all parameters for downloading.

j. DVR copy

After selecting the media to be backed up on the DVR, click on DVR COPY to begin the backup process on the DVR.

k. Cancel Exit from the COPY window.

21. MICROPHONE / TALK

For the voice communication over the internet, click on the MICROPHONE button and then talk into an available microphone.

22. SPEAKER / LISTEN

Listen in on any of the four channels with audio recording over the internet. Bring any one of the channels with audio recording to full screen to listen into a specific channel.

23. TIME SEARCH

Search for a specific time for remote playback using a time line.

24. CALENDAR SEARCH

Search for a time for remote playback using a calendar based search window

25. EVENT SEARCH

Search for events for remote playback.

26. TEXT SEARCH

Search for text strings or keywords for Point of Sales integrated DVRs.

27. BLOCK SEARCH

Search on Logical Block Address for remote playback. Please see 10.5.5 BLOCK SEARCH under.

28. LOG SEARCH

View a list of events that occurred on the DVR.

	🕒 Log Se	arch		X
				332
	No	Date Time	Kind	
	1	2006/05/09 00:34:32	NET CONNECT	
	2	2006/05/08 21:01:49	NET CLOSE	
		2006/05/08 20:41:14	NET CONNECT	
	4 5	2006/05/08 20:41:09	NET CLOSE	
	5	2006/05/08 20:41:03	NET CONNECT	
	6	2006/05/08 20:31:57	NET CLOSE	
	7	2006/05/08 20:29:30	NET CONNECT	
	8	2006/05/08 20:29:27	NET CLOSE	
Г	9	2006/05/08 20:27:53	NET CONNECT	
	10	2006/05/08 19:39:28	MENU CHANGED	
	11	2006/05/08 19:38:22	POWER ON	
	12	2006/05/08 09:59:19	POWER OFF	
	13	2006/05/08 03:41:49	POWER ON	
	14	2006/05/08 02:48:42	POWER OFF	
	15	2006/05/08 01:05:34	POWER ON	
	16	2006/05/08 01:05:14	POWER OFF	
	17	2006/05/08_01:04:38	DVB INIT	_
	Search	h Time: 2006 / 05 /	/ 09 04 : 09 : 13	
				_
	Sear	ch	Save Log Cancel	
1			i i i	
а	b) C	d e	

a. Log list window

List of DVR logs from the most recent to the oldest.

b. Search

Click on search to view available log list.

c. Search time

Select the year, month, date, hour, minutes and seconds of the end of the log list to retrieve.

d. Save log

Save the log list onto the computer.

e. Cancel

Exit from the log search window.

29. RECORD / PLAYBACK BUTTONS

The remote playback can be controlled just as on the DVR. The remote playback can be played in normal, slow, and fast modes in both forward and reverse direction.

The DVR Viewer can also record the remote transmission onto the computer's hard disk drive.



a. Record

Click on the RECORD button to start recording on to the computer. When recording, the box below the main channel display window will be outlined in red.

b. Rewind

This button can be toggled for rewind speed of 2x, 4x, 8x, 16x, 32x, 64x and 128x.

c. Reverse slow

This button can be toggled for a slow reverse playback speed of 1/2x, 1/4x, 1/8x, 1/16x, 1/32x, 1/64x and 1/128x.

d. Reverse play

Normal speed playback in reverse direction.

e. Pause

Pause the playback during remote playback or live monitoring.

f. Play

Normal speed playback in forward direction.

g. Forward slow

This button can be toggled for a slow forward playback speed of 1/2x, 1/4x, 1/8x, 1/16x, 1/32x, 1/64x and 1/128x.

h. Fast forward

This button can be toggled for fast forward speed of 2x, 4x, 8x, 16x, 32x, 64x and 128x.

30. CHANNEL STATUS

Displays the status of the channels.

- Grey: non-recording mode
- Yellow: manual recording mode
- Red: event recording mode
- Green: schedule recording / playback mode

31. LIVE

When the DVR Viewer is connected to the DVR, it starts with the live view mode, and this button will be pressed and highlighted. Click on LIVE to toggle back to live view mode.

32. PLAY

The remote playback mode can be entered by clicking on PLAY button, just as the PLAY button is pressed on the DVR. When the PLAY button is clicked the remote playback will start with the oldest data on the DVR. Next time PLAY button is clicked the playback will resume from where it was left off.

33. FRAMES PER SECOND

Displays the frame rate of incoming live stream or playback stream.

34. LIVE / PLAYBACK BUTTON STATUS

During live or playback, this window will display the direction and the speed of the playback direction.

35. RELAY 4

Manually trigger relay 4 on the DVR. The relay 4 option must be set to user option.

36. AVAILABLE SPACE ON COMPUTER

When connected to a DVR, this section will display available recording space on the computer.

37. ACTIVE DVR / FILE / HDD

Displays a list of connective DVRs, playback from FILE SEARCH and HDD SEARCH.

1.5 DVR VIEWER - LIVE MODE

	In Address / Com Port	MAC Address	1
	216.70.136.214	00:0A:2F:20:0A:90)
	216.70.136.214	00:0A:2F:40:04:99	
1		ा व	iour
Network	C RS-232C	C RS-485	
192.168.1.3		Use Ip Server	Г
192 . 168 .	1 . 3 5400	000A2F20062D	_
		Use DDNS	Г
			_
None	P Baud Bate	9600	W.
None	P Baud Rate	9600	¥
	✓ Baud Rate	9600	Ŷ
	192.168.1.3	216703524 19216813 1 1 1 1 1 1 1 2 1 1 2 2 1 5 1 1 1 5 2 1 1 1 1	216 70 18 214 00 0A 27 20 0A 51 216 70 18 214 00 0A 27 20 0A 51 216 70 18 214 00 0A 27 20 0A 51 15 70 18 214 00 0A 27 20 0A 51 15 70 18 214 00 0A 27 20 0A 51 15 70 18 214 00 0A 27 20 0A 51 16 7 Network 18 20 0A 51 17 10 10 10 10 10 10 10 10 10 10 10 10 10

Click on the DVR LIST, highlight a desired DVR and then click on CONNECT.



a. DVR's local time Displays the DVR's local date and time

b. Event message

Displays the channel's event messages, alarm and motion.

c. Channel window

The DVR channel window can be double-clicked for a full screen mode. The channel window can also be zoomed by dragging the left mouse button over the channel window. The size of the box created by dragging will be the outline of the channel window to be zoomed in.

d. DVR functions

Some of the DVR functions may not be available depending on what user account the DVR Viewer has been signed on with, and also with what user level password the DVR has been connected to.

e. DVRs online

If more than one DVR is connected, then the live view of the DVRs can be selected by clicking on the desired DVR name.

f. Remaining HDD space

Displays remaining hard disk drive space on the DVR.

g. Channel status

Displays the status of the channels.

1.6 DVR VIEWER – PLAYBACK MODE

Any DVRs that are connected online can be accessed to do data search remotely from the DVR and then transmit to the DVR viewer for remote playback.

	😂 192.168.1.3(192.168.1.3)				_ & ×
	🕒 - 🖵 🤉 🔁 🎽				×
a _ b -	2006/05/09 09:07:14	No Image	No Image	No Image	12:07:01 PM V1.56
	CH 1	Ch2	СЬЗ	Ch4	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
	No Image	Unz No Image	2006/05/09 09:07:14	No Image	
			A		
с —	-				SETUP STATUS
					PRINT COPY
	Ch5	Ch6	Ch7	Ch8	SEARCH — d
	No Image	2006/05/09 09:07:14	No Image	No Image	TIME CALENDAR EVENT TEXT BLOCK LOG
	Ch9	Ch10	Ch11	Ch12	192.168.1.4
	No Image	No Image	No Image	2006/05/09 09:07:14	
					— e
	Ch13	Ch14	Ch15	CH16	
f –	98.7%	213141516 LIVE PLAY 0 ip	s > RLY4 C: 10.11 GBytes fr	ee	
		g			

a. DVR's playback time

Displays the DVR's playback date and time. Channels without recording show NO IMAGE.

b. Event message

Displays the channel's event messages at the time of the recording.

c. Channel window

The DVR channel window can be double-clicked for a full screen mode. The channel window can also be zoomed by dragging the left mouse button over the channel window. The size of the box created by dragging will be the outline of the channel window to be zoomed in.

d. DVR functions

Some of the DVR functions may not be available depending on what user account the DVR Viewer has been signed on with, and also with what user level password the DVR has been connected to.

e. DVRs online

The live view of different DVRs can be selected, as well as the playback mode, by clicking on the desired DVR name.

f. Remaining HDD space Displays remaining hard disk drive space on the DVR.

g. Channel status Displays the status of the live channels.

1.6.1 TIME SEARCH



:006/05/09 0	6.30.15	2006/0	5/09 20.3	28:08	No Fi	le	
		-					2
	irmal	1					
and the second s			06 -	30 -	15		
h Time : 20	106 / 05	, / 09	00 .				
	Hdd : No		Hidd: Normal 💌		Hdd: Normal	Hdd : Normal	

Click on TIME to display the Time Search window.

The start and the end of the recorded data will be displayed.

Select the hard disk drive for the remote playback. If unknown, leave the selection to Normal.



Select the channel for playback.

 No
 Start
 End
 File name

 1
 2006/05/09 06:30:15
 2006/05/09 20:20:00
 No File

 I
 2006/05/09 06:30:15
 2006/05/09 20:20:00
 No File

 I
 Play
 Channel:
 Ali

 Play
 Cancel
 Play
 Cancel

Select the year, month, day and time for the playback, or slide the time bar to the desired time.

Click on PLAY to begin the remote playback.

1.6.2 CALENDAR SEARCH



Click on CALENDAR to display the Calendar Search window.

Dates with recorded data will be highlighted in yellow.



Select the year, month, date, and the hour block, and then click on PLAY to begin the remote playback.

×

•

1.6.3 EVENT



Click on EVENT to display the Event Search window.

The first 500 events are listed chronologically, from the most recent to the oldest.

Select an event and then click on PLAY to begin remote playback.

If the desired event is not listed in the current window, then follow the following steps.



Event Search

Hdd : Normal 💌 Channel : 🗐

Event

Search

Search Time :

Alarm V Loss

Next Play

🔽 Motio

22 : 56 : 32

Cancel

Select the hard disk drive for the remote playback. lf unknown, leave the selection to Normal.

Select the channel for playback.



Select the event categories.



Select the year, month, day and time for the *end* of the event list for playback.

🐣 Event Search × 500 Event Time Ch Kind Hdd No 2006/05/09 12:14:32 2006/05/09 12:14:20 2006/05/09 12:13:18 2006/05/09 12:13:18 2006/05/09 12:13:13 2006/05/09 12:12:07 2006/05/09 12:12:21 2006/05/09 12:12:21 - M M M M M M M M M 12:13:07 12:12:26 12:12:21 12:12:11 12:11:28 12:11:18 8 9 10 11 2006/05/09 2006/05/09 Hdd: Normal 💌 Channel: All 💌 Event: 🔽 Alarm 🔽 Loss ☑ Motion 00 : 07 : 15 Search Time : 2006 / 05 / 10 Next Play Search Cancel

The list can be advanced to the next 500 lists by clicking on NEXT. Highlight the desired event and then click on PLAY to begin the remote playback.

1.6.4 TEXT





Click on TEXT to display Text Search window.

Select the hard disk drive for the remote playback. If unknown, leave the selection to Normal.



× Date Time Ch Text No • Hdd : Normal 💌 Channel: All Text 2006 / 05 / 10 00 : 24 : 42 Search Time :

Save All Cancel

Text Se Date Time Ch Te 4 • Hdd : Normal 💌 Channel : All • Text Search Time: 2006 / 05 / 10 00 : 24 : 42 Save All Cancel



No	Date	Time		Ch 1	ext	 	
1	Hdd:	Normal	•				 2
	hannel:		•				2
o		4J	•				2

Select the channel for the text string search.

Enter the text string to search. Leave blank for a wild card (all items) search.

Select the year, month, day and time for the end of the search time.

Click on SEARCH to list data that match the text string.

If the text string search was left blank, then it will display all items.

Click on NEXT for the next 500 listing.

Highlight a text string, and then click on PLAY to begin the remote playback.



The listing can be saved as a List file format.

1.6.5 BLOCK





 Block Search
 Xi

 900
 900

 1
 2006/05/10 00:4850
 1
 150175/41

 2
 2006/05/10 00:3843
 1
 134515764

 3
 2006/05/10 00:3845
 1
 34515764

 4
 2006/05/10 00:3845
 1
 34515764

 5
 2006/05/10 00:345
 1
 33415754

 6
 2006/05/10 00:14:18
 1
 33415754

 6
 2006/05/10 00:23:31
 1
 133015764

 7
 2006/05/10 23:23:44,7
 1
 30515764

 9
 2006/05/10 23:23:44,7
 1
 30515764

 10
 2006/05/10 23:23:44,7
 1
 30515764

 10
 2006/05/10 23:23:44,7
 1
 30515764

 10
 2006/05/10 23:23:27
 1
 131415764

 13
 2006/05/10 23:12:4
 1
 30515764

 13
 2006/05/10 23:12:4
 1
 1306157744

 13
 2006/05/10 23:12:4
 1
 130515764

 13
 2006/05/10 23:12:4
 1
 130615



Click on BLOCK to display the Logical Block Address Search window.

The first 500 data is displayed in chronological order, from the most recent to the oldest.

Select the hard disk drive for the remote playback. If unknown, leave the selection to normal.

Select the year, month, day and time for the end of the data.

If the desired date and time is not found, then click on NEXT to display the next 500 Logical Block Addresses.



Highlight a desired block time and then click on PLAY to begin the remote playback.

1.7 DVR PLAYER – SETUP



The DVR Viewer can change the settings on the DVR remotely. The features and settings are identical to that of the DVR menu. For more information, please see V. DVR MENU on page

Click on SETUP and the password prompt will be displayed. Enter the administrator's password and then click on OK to display the DVR setup menu.



- 1. QUICK SETUP
- 2. SCREEN SETUP
- **3. RECORD SETUP**
- 4. EVENT SETUP
- **5. SYSTEM SETUP**

6. LINK

7. DOWNLOAD Update the DVR's firmware using the download menu.

8. READ FROM FILE Load DVR settings from a DVR setup file.

9. SAVE TO FILE Save DVR settings to a DVR setup file.

10. LOAD FROM DVR Load current DVR settings.

11. UPDATE TO DVR Upload changed settings to DVR.

12. CLOSE Close DVR Setup menu.

1.7.1 QUICK SETUP

QUICK SETUP	OFF	-	
IMAGE SIZE	720x240	-	
RECORD FRAME	240	•	
EVENT	ALL	*	
PRE RECORD TIME	5 🔹		
POST RECORD TIME	10 🜲		
IMAGE QUALITY	FINE	*	
AUDIO RECORD	OFF	-	
REMOTE CONTROL ID	ALL	-	
	1.44		

- a. Quick Setup: on / off.
- b. Image Size: 360 x 240 / 720 x 240 / 720 x 480.
- Record Frame: 16 through 480, depending on c. image size.
- Event: off, all, alarm, v-loss, motion, alarm & loss, d. alarm & motion, loss & motion.
- Pre Record Time: 0 through 5 seconds. e.
- Pose Record Time: 0 through 60 seconds. f.
- Image Quality: low, fine, superfine. Audio Record: on / off. g.
- h.
- Remote Control ID: all, 11 ~ 14, 21 ~ 24, 31 ~ 34 i. and 41 ~ 44.



1.7.2.2 Display

HDD FREE SPACE	ON	-
HDD FREE SPACE MODE	PERCENT	•
RECORD STATUS	ON	×
CLOCK DISPLAY	ON	-
DATE&TIME MODE	YY/MM/DD	
TITLE DISPLAY	ON	*
TITLE MODE	TEXT	•
BORDER COLOR	WHITE	•
REMOTE CONTROL ID	OFF	
SPOT TITLE DISPLAY	ON	•

1.7.2.3 Title



1.7.2 SCREEN

1.7.2.1 Auto Sequence

- a. Auto-Single: select the single channel dwell time.
- b. Auto-Split: select the multi channel dwell time.
- c. Video Loss Skip: check / uncheck.
- d. Add Auto Single: check / uncheck.

- a. HDD Free Space: on / off.
- b. HDD Free Space Mode: percent / gigabyte.
- c. Record Status: on / off.
- d. Clock Display: on / off.
- e. Date & Time Mode: YY/MM/DD, MM/DD/YY, DD/MM/YY.
- f. Title Display: on / off.
- g. Title Mode: text / bitmap.
- h. Border Color: white / black.
- i. Remote Control ID: on / off.
- j. Spot Title Display: on / off.

- Channel Title (text mode)
 Enter up to eight alphanumeric characters for channel titles.
- b. Clear Clear the bitmap drawing.
- c. Move Move the bitmap drawing in the grids.
- d. Font Select the font for bitmap conversion.
- e. Download Download the bitmap to the DVR.
- f. Make Bitmap Enter the title to be converted into bitmap.
- g. Bitmap Grid The title can be drawn here.

1.7.2.4 Multiscreen

_

LIVE 4E	DISPLAY: 🕫	LIVE 6	DISPLAY: 17
6 3		4	
LIVE 7	DISPLAY: 🔽	LIVE 98	DISPLAY: 🔽
3 3	4 \$ 5 \$ 6 \$ 7 \$	13	
LIVE 10	DISPLAY : 🔽	LIVE 13	DISPLAY: 17
3 🔹 🕹	+ + = 5 + 6 + = 9 + 10 +	6 🛫	4 5 5 7 5 5 5 11 5 12 5 5

10 and 13 channel view modes.

Customize the channels to be displayed in 4E, 6, 7, 9B,

1.7.2.5 Covert



1.7.2.6 Spot

	ECORD EVENT SYSTEM LINK DOWINLOAD Y TITLE MULTISCREEN COVERT SPOT
SPOT MODE	MANUAL
SPOT SEQ. TIME	3 🛋
ADD SPOT MULTI VIDEO LOSS SKIP	OFF T

- a. Channels 1 through 16: on / off.
- b. Select: live, play, network, LV & PB, LV & NW, PB & NW, all.
- c. Title Display: on / off.

- a. Spot Mode: manual, event, sequence.
- b. Spot Sequence Time: 1 to 60 seconds.
- c. Add Spot Multi: disabled.
- d. Video Loss Skip: on / off.

1.7.3 RECORD

1.7.3.1 Record

									S	сн	EDU	LE R	:00	RD	0N/	OFF	
	ALL	0	3		6	100	9		12		15		18		2	1	24
MON	6	66	6 6 6	6	6 6	6	6 6	6	6	6	6 6	6	6	6 6	6	6 6	6
TUE	6	6 6	6 6 6	6	6 6	6	6 6	6	6	6	6 6	6	5	6 6	6	6 6	6
WED	6	66	6 6 6	6	6 6	6	6 6	6	6	6	6 8	6	5	6 6	6	6 6	6
THU	6	66	6 6 6	6	6 6	6	6 6	6	6	6	6 6	6	5	6 6	6	6 6	6
FRI	6	6 6	6 6 6	6	6 6	6	6 6	6	6	6	6 6	6	5	6 6	6	6 6	6
SAT	6	6 6	6 6 6	6	6 6	6	6 6	6	6	6	6 8	6	5	6 6	6	6 6	6
SUN	6	66	6 6 6	6	6 6	6	6 6	6	6	6	6 6	6	5	6 6	6	6 6	6
	ALL	0	3		6	33	9		12		15		18		2	1	24
	AT REI			10	· · · · · · · · · · · · · · · · · · ·	1	•					F 💌					
		CORD A	LARM	5%	š.		•					F 💌					•
PLAY				FR	AME		•					F 💌				OF	
	JP MO			OF	r.	18	-	Ă	UDI	34	Ins	E v	4	UDI	0.8	OF	

- Schedule Record: click on a hour block and then a. click Schedule Record on / off.
- Monday through Sunday: select the record b. program.
- Repeat Record: on / off. C.
- d. Repeat Record Alarm: 5% through 10%, off.
- e. Backup Mode: mirror, event, off. f. Audio 1 through 8: on / off.

1.7.3.2 Record Program

the left/right buttons on the keyboard.

RECORD PROGRAM	6 🔹	RE	CORDING	NTERVAL	1 🚖 SEC
RECORD TYPE	COMPLEX -	EVENT CH	ONLY 💌]	
IMAGE NO	RMAI EVEN	IT RECORD	BHALITY	PBE/PDS	I EVENT
		E COMPLEX	N/E	TIME	A/L/M
	3 0	3	S S	5 10	ব্ব
	3 0	3	5 5	5 10	되되되
	3 0	3	S S	5 10	
SUM Weinschlassen	3 0	3	S S	5 10	ঘর্র
	3 10	3	SS	5 10	∇ ∇ ∇
	3 0	3	S S	5 10	ম্ম
CH 8 720x240	3 0	3	SS	5 10	মথম
CH 9 720x240	3 0	3	S S	5 10	বিব
	3 0	3	S S	5 10	র র র
	3 0	3	SS	5 10	বিব
	3 0	3	SS	5 10	ঘ্ৰ
CH13 720x240	3 0	3	SS	5 10	মহায
	3 0	3	5 5	5 10	র র র র র
	3 0	3	IS IS	5 10	
CH16 (720/240	96 120	96	12 12	12 110	14 14 14
	36 120	30			

Define the values for the record settings. Use the mouse scroll button to change the values, or

- a. Record Program: 0 to 9.
- Record Type: single / complex, event channel b. only / all channels.
- Image Size: select the recording image size. c.
- Normal Record: select the recording rate for d. manual recording.
- Event Record Single: select the recording rate for e. single event recording.
- f. Event Record Complex: select the recording rate for complex event recording.
- Quality Normal: select the image quality for g. manual recording.
- Quality Event: select the image quality for event h. recording.
- Pre Record Time: select the pre-event recording i. time.
- j. Post Record Time: select the post-event recording time.
- Event Alarm / Video Loss / Motion: check / k. uncheck event recording options.

1.7.3.3 Holiday



1.7.4 EVENT

1.7.4.1 Event



1.7.4.2 Motion Detection

	Sena	_				ativity	
CH 1	5	1	AREA SETUP	CH 9			AREA SETUP
CH 2	5	\$	AREA SETUP	CH 10	_	\$	AREA SETUP
CH 3	5	٢	AREA SETUP	CH 11	_	٢	AREA SETUP
CH 4	5	*	AREA SETUP	CH 12	_	1	AREA SETUP
CH 5	5	\$	AREA SETUP	CH 13	_	\$	AREA SETUP
CH 6	5	٢	AREA SETUP	CH 14	_	\$	AREA SETUP
CH 7	5	\$	AREA SETUP	CH 15	_	1	AREA SETUP
CH 8	5	-	AREA SETUP	CH 16	5	\$	AREA SETUP

- a. Holiday Record: on / off.
- b. Holiday Setup: enter the holidays.

- a. Event Check: on / off.
- b. Event Screen Mode: screen hold, event full, event multi, event full return, event multi return.
- c. Event Message: on / off.
- d. Event Message Reset: 1 to 30 seconds.
- e. Event Buzzer: on / off.

- a. Sensitivity: select the motion detection sensitivity.
- b. Area Setup: click on AREA SETUP to display the motion grid window.

Select the grid size.



Use the left mouse button to draw motion detection area and use the right mouse button to erase motion detection area.

Use the buttons at the bottom of the screen to set or clear motion detection all area of the screen.

1.7.4.3 Sensor Input

CH 1	NOT USED	• сн э	NOT USED	*	
CH 2	NOT USED	• CH 10	NOT USED	•	
CH 3	NOT USED	 CH 11 	NOT USED	-	
CH 4	NOT USED	 CH 12 	NOT USED	-	
CH 5	NOT USED	 CH 13 	NOT USED	-	
CH 6	NOT USED	 CH 14 	NOT USED	*	
CH 7	NOT USED	 CH 15 	NOT USED	-	
CH 8	NOT USED	 CH 16 	NOT USED		

1.7.4.4 Relay Output

cient fine no	N DETECTION SENSOR IN	····
	ALARM LOSS MOTION	ALARM LOSS MOTION
CH 2 CH 3		CH 10 1 • 2 • 3 • CH 11 1 • 2 • 3 •
CH 3		
CH 5	1 + 2 + 3 +	CH 13 1 + 2 + 3 +
CH 6	1 • 2 • 3 •	CH 14 1 7 2 7 3 7
CH 7	1 • 2 • 3 •	CH 15 1 • 2 • 3 •
CH 8	1 • 2 • 3 •	CH 16 1 • 2 • 3 •
		1
	RELAY 1 DUTPUT TIME RELAY 2 DUTPUT TIME	
	RELAY 3 OUTPUT TIME	1 1
	RELAY 4 MODE SELECT	POWER V

Select the circuit type for the sensor input.

- a. Channel 1 through 16: select the relay output for the events.
- b. Relay 1 through 3 output time: 1 to 30 seconds.
- c. Relay 4 mode select: not used, HDD error, power, user.

Language: English, Korean, Japanese, Polish,

Remote Control ID: All, 11 through 14, 21 through

1.7.5 SYSTEM

1.7.5.1 System

UICK SETUP SCREEN RECORD	EVENT SYSTEM LINK DOWNLOAD
SYSTEM HDD CLOCK PASSV	/ORD
VIDEO STANDARD LANGUAGE REMOTE CONTROL ID KEY ECHO	AUTO X ENGLISH X ALL X ON X

1.7.5.2 HDD

STEM HDD CLC	ICK PASSWORD			
HDD	HDD MODE			
REMOVABLE	REC			
FIXED - 01	REC			
FIXED - 02	REC			
FIXED - 03	REC			
FIXED - 04	REC			
EXTERNAL EXT BAY 1 E	XT BAY 2 EXT BAY	3 EXT BAY	4	- 1
EXT-00	BEC 💌	EXT - 05	BEC	¥.
EXT - 01	REC 💌	EXT - 06	REC	14 C
EXT - 02	REC	EXT - 07	REC	14 I
EXT - 03		EXT - 08	REC	Ψ.
EXT - 04	REC 🗾	EXT - 09	REC	14. 1

Select the recording mode for the HDD.

a. Video Standard: PAL, NTSC, auto.

Spanish, Russian and Chinese.

d. Key Echo: on / off.

24, 31 through 34 and 41 through 44.

b.

c.

1.7.5.3 CLOCK

JICK SETUP SCREEN RECORD EVENT SYSTEM LINK DOWNLOAD	
SYSTEM HDD OLOCK PASSWORD	
[DATESTIME]	
2006 / 05 / 10 02 : 43 : 09	
[TIME ADJUST]	
INTERNET TIME ADJUST	
SELECT TIME SERVER	
SELECT TIME ZONE GMT+09:00	
DAYLIGHT SAVING TIME OFF	
START TIME APR VIST VISUN VIZAM V	
END TIME OCT V 4TH V SUN V 24M V	
	lose

- a. Date & Time: the date and time is displayed here cannot be modified.
- b. Internet Time Server: on / off.
- c. Select Time Server: enter the time server's IP address.
- d. Select Time Zone: select the DVR's local time zone.
- e. Day Light Savings Time: on / off.
- f. Start Time: select the month, week, day and time.
- g. End Time: select the month, week, day and time.

1.7.5.3 PASSWORD

1.7.6 LINK

1.7.6.1 Network

	OFF 💌
IP ADDRESS	192 . 168 . 1 . 4
SUBNET MASK	255 . 255 . 255 . 0
GATEWAY	192 . 168 . 0 . 1
DNS	0.0.0.0
PORT	5400 🚖
DYNAMIC IP SERVER	211.174.251.155
BACKUP IP SERVER	211.174.251.160

- a. Password Check: on / off
- b. Passwords: define the DVR access passwords for all users.
- c. Authority: define DVR access authority for users 1 through 4.

- a. DHCP: on / off.
- b. IP Address: enter the IP address.
- c. Subnet Mask: enter the subnet mask.d. Gateway: enter the gateway.
- e. DNS: enter the DNS address.f. Port: define port number.
- g. Dynamic IP Server: enter the Dynamic IP Server address.
- h. Backup IP Server: enter backup IP Server address.

1.7.6.2 RS-232C

NONE •		
1		
	 8 × NONE ×	B I

- a. Baud Rate: select the communication speed.
- b. Data Bit: select the data bit.
- c. Parity Bit: select the parity bit.
- d. Stop Bit: select the stop bit.

] 1.7.6.3 RS-485

SYSTEM ID OUTPUT MODE BAUD RATE DATA BIT PARITY BIT STOP BIT	1 RS-485 115200 8 NONE 1		

1.7.6.4 PTZ

	MODEL		SPEED		IC	
CH 1	NONE	¥	9600	*	1	\$
CH 2	NONE	•	9600	-	1	•
CH 3	NONE	•	9600	-	1	\$
CH 4	NONE	•	9600	•	1	•
CH 5	NONE	•	9600	-	1	\$
CH 6	NONE	Ŧ	9600	•	1	\$
CH 7	NONE	•	9600	-	1	\$
CH 8	NONE	*	9600	-	1	\$
CH 9	NONE	+	9600	-	1	•
CH 10	NONE	•	9600	•	1	\$
CH 11	NONE	٣	9600	*	1	\$
CH 12	NONE	•	9600	-	1	\$
CH 13	NONE	*	9600	-	1	•
CH 14	NONE	*	9600	-	1	٢
CH 15	NONE	*	9600	•	1	*
CH 16	NONE		9600	-	1	+

- a. System ID: select the system ID.
- b. Output Mode: select the output mode.
- c. Baud Rate: select the communication speed.
- d. Data Bit: select the data bit.
- e. Parity Bit: select the parity bit.
- f. Stop Bit: select the stop bit.

- a. Model: select the PTZ camera model.
- b. Speed: select the communication speed.
- c. ID: select the PTZ camera address.

1.7.6.5 E-mail

TWORK R\$232C R\$485	PTZ	E-MAIL	1			
Send Email	OFF	*				
SMTP Server						
DVR Email Address						
(OPTION)						
User Id				_		
Password						
Email Address 1					-	
Email Address 2					_	
Email Address 3						
Email Address 4						
Email Address 5						
Email Address 6						
Email Address 7						
Email Address B						
Email Address 9						
Email Address 10						

- a. Send e-mail: on / off.
- b. SMTP Server: enter the SMTP server address.
- c. DVR e-mail Address: enter the DVR's e-mail address.
- d. User ID: enter the DVR's user name for the e-mail account.
- e. Password: enter the DVR's password for the email account.
- f. E-mail addresses 1 through 10: enter the e-mail addresses for e-mail notification.

1.7.7 DOWNLOAD

The DVR's firmware can be updated from the client software. Please remember that once the upgrade process begins, the connection must not be severed or interrupted.

UICK SETUP S	CREEN RECORD	DI EVENTI SYSTEM	LINK DOWNLOAD	1
	[
		Firmware Downloa	4	
		······		

Click on FIRMWARE DOWNLOAD, and the DVR firmware open window will open.

My Documents Motoroio Phone Tools DMG_00071 My Computer In NetLineter 2 Pro In MG_00081 My Notorok Floos Network Flowsork Difference Lights In MG_00082 My Notorok Floos Second Network Flowsork Difference Lights In MG_00082 My Notorok Floos Second Network Flowsork Difference Lights In MG_00082 My Notorok Floos Second Network Flowsork Difference Lights In MG_00082 My Notorok Floos Second Network Flowsork Difference Lights In MG_00082 My Notorok Flowsork Second Network Flowsork Flowsork Flowsork Difference Lights In MG_00082 My Notorok Flowsork My Notorok Flowsork Flows
Live View 📄 download.log 📄 test.txt
File name: Dpan Files of type Cancel

Locate the upgrade file and then click on OPEN to begin the upgrade process.

	T	mwate Downloa	2	
(Upgrade		invale Downloa	u	×
C. O'DCUM	ents and Settin	gan only why Did	cuments/Vitek/D	VILL
Downloadi	ing			
-				_
		45%		
	rade			

The file will begin loading onto the DVR.



_

CODOCUMENT SYSTEM LINK DOWNLOAD

 CODOCUMENT SYSTEM LINK DOWNLOAD

 Finness Download

 CODOCUMENT of Calculation and the CodoCalculation

 Finness Download

 CODOCUMENT of Calculation and the CodoCalculation

 Finness Download

 CodoCalculation

 Finness Download

 CodoCalculation

 Finness Download

 Finness Dow

Once the download is complete, the DVR will begin flashing the new firmware.

Once the upgrade is finished and successful, the DVR viewer will display "DVR Upgraded Successfully!!"

Restart the DVR, and the new firmware will be in effect.

APPENDIX

APPENDIX

TIME ZONE LISTING

GMT-12:00	International Date Line West
GMT-11:00	Midway Island, Samoa
GMT-10:00	Hawaii
GMT-09:00	Alaska
GMT-08:00	Pacific Time (US & Canada); Tijuana
GMT-07:00	Arizona
GMT-07:00	Chihuahua, La Paz, Mazatlan
GMT-07:00	Mountain Time (US & Canada)
GMT-06:00	Central America
GMT-06:00	Central Time (US & Canada)
GMT-06:00	Guadalajara, Mexico City, Monterrey
GMT-06:00	Saskatchewan
GMT-05:00	Bogota, Lima, Quilto
GMT-05:00	Eastern Time (US & Canada)
GMT-05:00	Indiana (East)
GMT-04:00	Atlantic Time (Canada)
GMT-04:00	Caracas, La Paz
GMT-04:00	Santiago
GMT-03:30	Newfoundland
GMT-03:00	Brasilia
GMT-03:00	Buenos Aries, Georgetown
GMT-03:00	Greenland
GMT-02:00	Mid-Atlantic
GMT-01:00	Azores
GMT-01:00	Cape Verde Island.
GMT	Casablanca, Monrovia
GMT	Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London
GMT+01:00	Amsterdam, Berlin, Bern, Rome, Stoholm, Vienna
GMT+01:00	Belgrade, Bratislava, Budapest, Ljubljana, Prague
GMT+01:00	Brussels, Copenhagen, Madrid, Paris
GMT+01:00	Sarajevo, Skopje, Warsaw, Zagreb
GMT+01:00	West Central Africa
GMT+02:00	Atehns, Beirut, Istanbul, Minsk
GMT+02:00	Bucharest
GMT+02:00	Cairo
GMT+02:00	Harare, Pretoria
GMT+02:00	Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius
GMT+02:00	Jerusalem
GMT+03:00	Baghdad
GMT+03:00	Kuwait, Riyadh
GMT+03:00	Moscow, St. Petersburg, Volgograd

APPENDIX

GMT+03:00	Nairobi
GMT+03:30	Tehran
GMT+04:00	Abu Dhabi, Muscat
GMT+04:00	Baku, Tbilisi, Yeveran
GMT+04:30	Kabul
GMT+05:00	Ekaterinburg
GMT+05:00	Islamabad, Karachi, Tashkent
GMT+05:30	Chennai, Kolkata, Mumbai, New Delhi
GMT+05:45	Kathmandu
GMT+06:00	Almaty, Novosibirsk
GMT+06:00	Astana, Dhaka
GMT+06:00	Sri Jayawardenepura
GMT+06:30	Rangoon
GMT+07:00	Bangkok, Hanoi, Jakarta
GMT+07:00	Krasnoyarsk
GMT+08:00	Beijing, Chongqing, Hong Kong, Urumqi
GMT+08:00	Irkutsk, Ulaan Bataar
GMT+08:00	Kuala Lumpur, Singapore
GMT+08:00	Perth
GMT+08:00	Taipei
GMT+09:00	Osaka, Sapporo, Tokyo
GMT+09:00	Seoul
GMT+09:00	Yakutsk
GMT+09:30	Adelaide
GMT+09:30	Darwin
GMT+10:00	Brisbane
GMT+10:00	Canberra, Melbourne, Sydney
GMT+10:00	Guam, Port Moresby
GMT+10:00	Hobart
GMT+10:00	Vladivostok
GMT+11:00	Magadan, Solomon Island, New Caledonia
GMT+12:00	Auckland, Wellington
GMT+12:00	Fiji, Kamchatka, Marshal Island
GMT+13:00	Nuku'alofa

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