



MAIN USER MANUAL

 <p style="text-align: center;">CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	<p>WARNING</p> <p>TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.</p>
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	
 <p>This symbol is intended to alert the user to the presence of unprotected "Dangerous voltage" within the product's enclosure that may be strong enough to cause a risk of electric shock.</p>	
 <p>This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>	<p>NOTE: This equipment has been tested and found to comply with the limits for a class digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.</p>



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Notice: Ghosting or fractured images may occur on the screen when there is a suddenly surge or lightning stroke which cause damage on IC in the DVRs.

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CHAPTER 1: MAIN MENU SETUP

A login account and user password are required to enter the main menu and set up the DVR, The default password of the administrator is “123456”. Check “Account Setup” for the setup of other users.



Virtual keyboard buttons

Item	Description
	Switch between capital and small letters.
	Switch between numbers and letters.
	Press to cancel the setup, and re-choose the login account.
	Delete the last character.
	Enter to identify the password. It will enter the setup menu, if the password is verified.
	Space key.



Remote Control functions (under the Setting Menu)

Item	Description
◀ ▶	Switch to different options under one item.
▲ ▼	Switch to different items.
MENU	Save setup and back to LIVE mode.
ESC	Back to Upper level of menu without saving.
ENTER	Enter the menu, or display virtual keyboard.

NOTE. The formatting of newly-installed HDD is required before recording, please refer to “UTILITY SETUP” for details.

1-1 RECORD SETUP



Item	Description
HDD FULL	Select STOP to stop recording or OVERWRITE to reuse the HDD when HDD is full. 「Stop」 : Stop Recording. 「Overwrite」 : Start overwriting from the oldest data on HDD, and continue recording.
OSD position X	Setup OSD X axis.
OSD position Y	Set up OSD y axis.
OSD position setup	Set up OSD axis.
Video Preservation	Setup the video preservation period. Recorded video will be deleted automatically after expiry of preservation period.
Quality & Frame Rate Setup	Setup the quality and frame rate for each channel under normal recording and event recording type.

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-1.1 QUALITY & FRAME RATE SETUP



Item	Description
Normal setup/ event setup	Select recording mode.
Resolution	Select recording resolution: NTSC: 352x240, 704x240, 704x480 PAL: 352x288, 704x288, 704x576.
Record Type	You can setup quality and FPS separately for record type.
No.	Check/uncheck the box enable/disable selected channel recording.
Quality	Select quality: Below Basic/ Basic/ Normal/ High/ Highest.
FPS	Select recording frame rate.
Auto	Assign each channel with its maximum accessible fps.

1-2 EVENT SETUP



Item	Description
Motion Setup	Enter to set up motion detection.
Sensor Setup	Enter to set up sensor detection.

1-2.1 MOTION SETUP

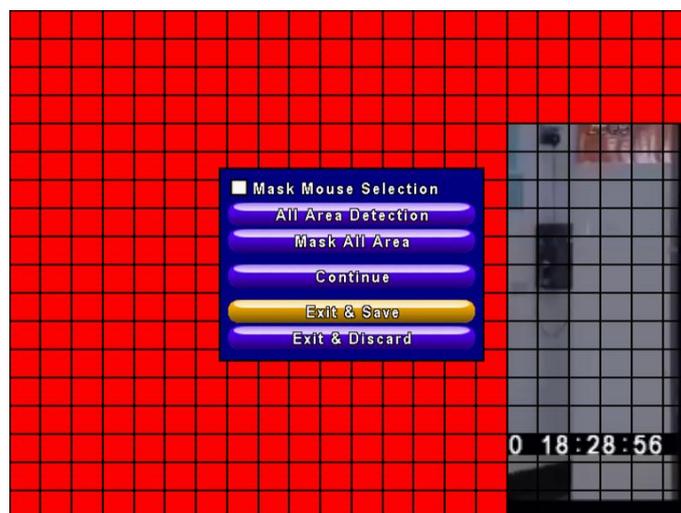


Item	Description
Alarm Duration (Seconds)	The number of seconds of continuous alarm when Motion Detection has been set.
1~16	Can be setup independently for each channel.
Enable	Check the box to Enable/Disable Motion Detection for each channel.
Sensitivity	Drag the white bar or press ◀ ▶ to set up Sensitivity from 0 to 10 for each channel. The higher value you set the higher the sensitivity.
Motion Area Setup	Enter to setup Motion Detection area.

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-2.1.1 MOTION AREA SETUP

The motion detection has been divided into 22x18 grids. The default detection area is full screen; it is marked transparently for local DVR settings and purple for remote access. Areas deselected for Motion Detection are marked in red for both local and remote site.



Item	Description
Mask Mouse Selection	Switch between “select” and “deselect” for cursor-dragging function.
All Area Detection	Select entire screen as detection area.
Mask All Area	Deselect entire detection area.
Continue	Continue setup.
Exit & Save	Save setup and leave.
Exit & Discard	Cancel setup and leave.

1-2.2 SENSOR SETUP



Item	Description
Sensor Popup	Check the box to Enable/Disable popup screen function for all channels. When Sensor is detected in LIVE mode, the detected channel image will pop up in full screen display.
All Off	Set all sensors off.
All Low	Set all sensor polarity low.
All High	Set all sensor polarity high.
Sensor Polarity	<p>Click or press ▼ to select between HIGH, LOW voltage for triggering sensor detection or OFF to turn off polarity for each channel.</p> <p>Low Polarity : Sensor has not been triggered. When connected, sensor will be turned on.</p> <p>High Polarity : Sensor has been triggered. When connected, sensor status will be turned off.</p> <p>Off : Sensor is deactivated, and will not be turned on/off.</p>

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-3 SCHEDULE SETUP

Apart from starting manual recording, you can also setup the recording time by weeks and schedule including normal, motion detect, and recording type.



Item	Description
Page	Each page provides 10 schedules for setup. 5 pages in total
Holiday Setup	Enter to setup holiday, up to 50 days, other than weekends
View Event/ Motion/ Sensor Setup	View Normal/ Motion/Sensor

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-3.1 SCHEDULE RECORD SETUP

Click on the time on the left side of the screen. The setup menu will be displayed. You can choose to record by date, Time or by event.



1-3.2 HOLIDAY SETUP

Since holidays are different for country and region, you can setup the holiday of your location accordingly.



1-4 CAMERA SETUP



Item	Description
1~16	You can independently setup each channel.
Mask	Check the box to Enable/Disable mask function for LIVE mode.
Sharpness	Drag the bar or press ◀ ▶ to adjust the Sharpness of your camera from 0 to 15.
Brightness	Drag the bar or press ◀ ▶ to adjust the Brightness of your camera from 1 to 255.
Contrast	Drag the bar or press ◀ ▶ to adjust the Contrast of your camera from 1 to 255.
Saturation	Drag the bar or press ◀ ▶ to adjust the Saturation of your camera from 1 to 255.
Name	Setup the name of each channel.
Volume	The Audio volume under LIVE mode and recording mode can be adjusted.

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-5 ACCOUNT SETUP

The Account Setup menu is used to provide role-based permission independently. Setting up each user (maximum of 4 users) to access DVR over the network. The default admin account and password is “admin” and “123456”.

(The default password remains the same after firmware upgrade).



Item	Description
No.	Check to activate the user's account.
Username	Set up the username for each user.
Password	Set up a password for each user. The password should be an 8-digit code and can be mixed by letters and numbers. The password is case-sensitive. Letters can be a mix of capitals and lowercase letters.
Permissions	Set up Permissions for each user.
Change Admin Password	Change administrator's password.
Picture	Change user's picture.

1-5.1 PERMISSION SETUP

The Account Setup is set to provide individual users (a maximum of 4 users) function-based permissions, including access to Setup menu, Network operation, PTZ function, Playback, Utility, Backup, Password expiry date and Mask on specific channels while playing back.

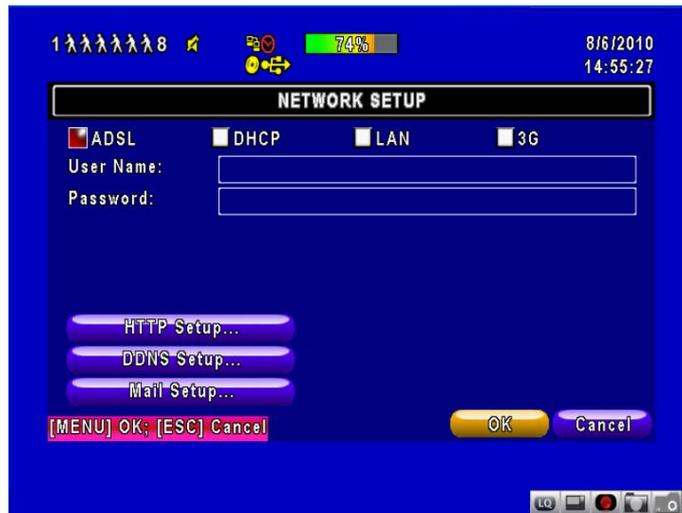


1-5.2 USER PICTURE SETUP

You can select a picture from the hard drive to represent each user account. Just browse and select the preferred image.



1-6 NETWORKING SETUP



Item	Description
Connect type	Select the setup mode for network connection: (choose from ADSL, DHCP, LAN or 3G connection).
HTTP Setup	Enter to setup HTTP.
DDNS Setup	Enter to setup DDNS.
Mail Setup	Enter to setup Email settings.
3G Setup	Enter to setup 3G network settings.

1-6.1 NETWORKING SETUP

There are three ways to connect to the network:

1-6.1.1 DHCP

When DHCP is selected, the DHCP server will automatically assign an IP address.



1-6.1.2 LAN

If you select LAN for network connection, the following information is required:



Item	Description
IP Address	Enter the IP address provided by your ISP.
Subnet Mask	Enter the IP address of the Subnet Mask provided by your ISP.
Gateway	Enter the IP address of the Gateway provided by your ISP.
DNS	Enter the DNS address provided by your ISP (Note: The correct DNS address must be entered for DDNS function).

1-6.1.3 ADSL

If you select ADSL for network connection, the following information is required:



Item	Description
User Name	Enter the user name provided by your ISP
Password	Enter the password provided by your ISP

1-6.1.4 3G

If you select ADSL 3G for network connection, the following information is required:



Item	Description
Dial-up Number	Dial-up Number (Determined by your ISP).
PIN	Enter the password.
APN	Enter "internet".
Advance Setting	Select to enter the advanced settings menu.

Advanced Setting Menu



Item	Description
Enable	Check to enable advance setting.
User Name	Enter your ISP username.
Password	Enter your ISP password.
IP Address	Enter the fixed IP address provided by your ISP.

1-6.2 HTTP Setup



Item	Description
Enable HTTP Server	Check to enable HTTP server. Users can remotely access into the DVR over the network if the HTTP function is activated.
Port	Enter a valid port value from 1 up to 65000. The default value is 80.
Auto	Assigns each channel with its maximum accessible fps.
No.	Channel number.
Quality	Set up record quality. The options are: below basic, basic, normal, high, highest.
FPS	Set up record FPS.

1-6.3 DDNS Setup



Item	Description
Enable DDNS	Enable/disable DDNS function.
DDNS Server	Enter the registered SMTP Server: Select either ez-dns* , I-DVR.NET* , DYNDNS.ORG , NO-IP.ORG , 3322.ORG .
Host Name	Enter the completed registered SMTP Server. (Including user and Server name). Enter the details in the correct format, i.e. If the user name is h.264 and you choose i-dvr as your server, you should enter: h.264.i-dvr.net
User Name	Enter the user name.
Password	Enter the password.

*** For more detailed EZ-DNS and I-DVR.NET instructions, please refer to the Appendix.**

1-6.4 MAIL SETUP

When an event occurs such as VLOSS (video loss) or MOTION (motion detection), an email will be sent to the receiver account automatically.



Item	Description
Enable E-mail Notification	Check the box to enable/disable the Email Notification function.
SMTP Server	Enter to setup SMTP Server name. (Varies according to the user).
User Name	Enter to setup User Name.
Password	Enter to setup Password.
Sender Email	Enter to setup the Email address of the sender account.
Trigger Event	Enter to select the events to send as Email notifications when the following circumstances happen: Motion (Motion Detection), Sensor (Alarm triggered) and VLOSS (Video Loss).
Receiver Email	Enter to setup the Email addresses for up to 10 receivers.

1-7 PTZ & RS-485 SETUP

The DVR allows users to control the PTZ functions of cameras. To enable the PTZ function, the RS-485 cable should be connected to the RS-485 port of the DVR.



Item	Description
Enable PTZ	Click the box to Enable/Disable PTZ function for each channel.
Protocol	Set up the protocol of PTZ camera. The supported protocols are PELCO-P, PELCO-D, KND, LI-LIN, SAMSUNG, LG and AVTECH.
PTZ ID	Click or press ◀ ▶ to set up the PTZ ID. The ID value is valid from 1 to 64.
Baud Rate	Select the Baud Rate for PTZ from 2400, 4800, 9600,19200.
RS-485 ID	Select the RS-485 ID from 1 to 64.
RS-485 Baud Rate	Select the RS-485 Baud Rate from 2400, 4800, 9600,19200.
Keyboard	Select the Keyboard type.

Note: The SDC4 will display 4 channels and SDC8 will display 8 channels.

1-8 SYSTEM SETUP

Use this menu to set the DVR system preferences.



Item	Description
DVR Name	The name of the DVR will be shown when users login using remote access i.e. Business DVR.
DVR Location	The location of DVR will be shown when users login using remote access i.e. Store Room 1.
Language	Click or press ▼ to select the OSD (on screen display) language.
Remote ID	The default ID is 0. DVR is controlled by standard remote control.
Display Setup	Enter to setup the On Screen Display.
Date/Time Setup	Enter to setup the Date/Time.
Device Setup	Enter to setup the Buzzer & Relay.
Spot Setup	Enter to setup the Spot Monitor.

1-8.1 DISPLAY SETUP



Item	Description
Auto-Seq Interval	Set up the duration time in seconds for the interval between switching under Auto-Seq mode.
Show OSD	Enable/Disable the OSD display.
Show DVR Status	Enable/Disable the DVR illustration and record status display.
Show Date/Time	Enable/Disable the date and time display.
Show Channel Name	Enable/Disable the camera name display.
Border Color	Set up the colour of the border in LIVE/PLAYBACK mode (Select the colour value using the Red, Green or Blue bars).

1-8.2 DATE/TIME SETUP



Item	Description
Hour Format	Select either 12 HOUR / 24 HOUR.
Date Format	Select either MM-DD-YY / DD-MM-YY / YY-MM-DD.
Date/Time Position	Choose the position of Time and Date display.
Change Date & Time	Setup time and date of the DVR.
Time Zone Setup	Setup the GMT and Daylight Saving Time.
Internet Time Setup	Setup automatic synchronization with an Internet server.

1-8.2.1 CHANGE DATE & TIME

Set the date and time of the DVR manually to the local time.



1-8.2.2 TIME ZONE AND DAYLIGHT SAVING TIME SETUP

Set the time zone and activate the Daylight Saving Time function depending on the DVR location.



Item	Description
Select Time Zone	Enter to modify GMT from GMT- 13 to GMT+ 13.
Daylight Saving Time	Turn on/off Daylight Saving Time.

1-8.2.3 INTERNET TIME SETUP

Synchronize your DVR time an Internet Time Server.



Item	Description
Automatic Synchronization	Check to enable the DVR to automatically synchronize the time. The DVR will automatically synchronize the time upon rebooting or every 24 hours after booting.
Update Now	Select to update the Date and Time shown on the DVR so that it immediately corresponds with the selected Internet Time Server.

1-8.3 BUZZER & RELAY SETUP



Item	Description
Mouse Speed	Set the mouse cursor speed using the bar to indicate the speed required (move to the right to increase the speed). (Only for Local settings)
Buzzer & Relay Setup	Select to enter the Buzzer & Relay setup menu.



Item	Description
Key Tone	Enable/Disable keystroke sounds.
Buzzer	Enable/Disable buzzer operation when the alarm is triggered for SENSOR (sensor triggered), MOTION (motion detection) and VLOSS (Video Loss).
Relay	Enable/Disable the signal to be sent to the RELAY OUT (alarm out) when the alarm is triggered for SENSOR (sensor triggered), MOTION (motion detection) and VLOSS (Video Loss).

1-8.4 SPOT SETUP



Item	Description
SPOT MODE	Enable/Disable Spot Mode. Select the camera channels required in this mode if enabled.
Interval (Seconds)	The duration time in seconds for the interval between cameras under SPOT mode.
Skip Video Loss Channel	Enable/Disable the skipping of cameras with no video signal.

1-9 UTILITY SETUP



Item	Description
HDD Formatting	Select to enter the hard disk formatting menu to format the hard drive on the DVR. Please stop recording before entering this menu. Enter the menu, the system will show all the data (model, volume) of HDD installed in the DVR. Check the HDD you would like to initialize then press 'Start'. If the HDD formatting is successful, the status will show 'Succeed'.
USB Formatting	Select to enter the USB disk-formatting menu to format the memory on the USB memory stick/hub. Enter USB formatting and press YES to format the USB drive. If the USB formatting is successful, the status will show 'Succeed'.
System Recovery	Select to restore the system to factory defaults.
Reset System Events	Select to reset all the recording events in DVR.
Copy Setup to USB	Copy the DVR configuration settings to a USB device. There will be a file named sdvr_conf.dat on your USB.
Download Setup from USB	Download the DVR configuration settings from a USB device into the DVR.
Upgrade	Upgrade the DVR firmware via a USB Memory Stick. Stop recording and backup the DVR configuration settings before upgrading. The system will reboot automatically when the upgrade is completed.

Note: DO NOT TURN OFF THE POWER OR UNPLUG THE USB DEVICE DURING THE UPGRADE as it may cause an incomplete firmware upgrade and damage to the DVR.

1-10 DIAGNOSTIC

Enter this menu to view the current DVR settings of the DVR.



Item		Description
Version		The current firmware version of DVR.
IP		The connected IP address of DVR. If disconnected from network, the screen will display 'NETWORK DISCONNECT'.
MAC		The MAC Address of DVR.
HDD Status	No.	HDD number.
	Volume	HDD Capacity.
	Used Rate	Percentage of space used on HDD.
	Status	Shows the HDD status. USING: means the HDD is being used for recording now GOOD/BAD: means the HDD has a known/unknown format for the DVR. Note: Always format newly installed hard drives before using them
	Format Time	The latest format time of the HDD.

CHAPTER 2: BACKUP & SEARCH

2-1 BACKUP SETUP

You can backup any segment of recorded data within a specified time frame. To do so connect either a CD, DVD-R/W or a USB storage device to the DVR. The resulting backup is formatted as an IRF file that can be played by using software called "File Play" or the DVR's proprietary software (i.e. the CMS)

The system will automatically copy the "File Play" software onto the USB storage device or CD/DVD in addition to the backed-up data.

Item	Description
From	The start time of the backup file.
To	The end time of the backup file.
Device	Select USB or PC as the backup device
Free Space	The available space in your backup device (not available for PC backup).
Refresh	Recalculate the available space of backup device (not available for PC backup).
Required Space	Show the size of the backup file.
Calculate	Calculate the size of backup file.
Start	Start backup operation. Be sure to calculate the size of backup file BEFORE starting to backup.

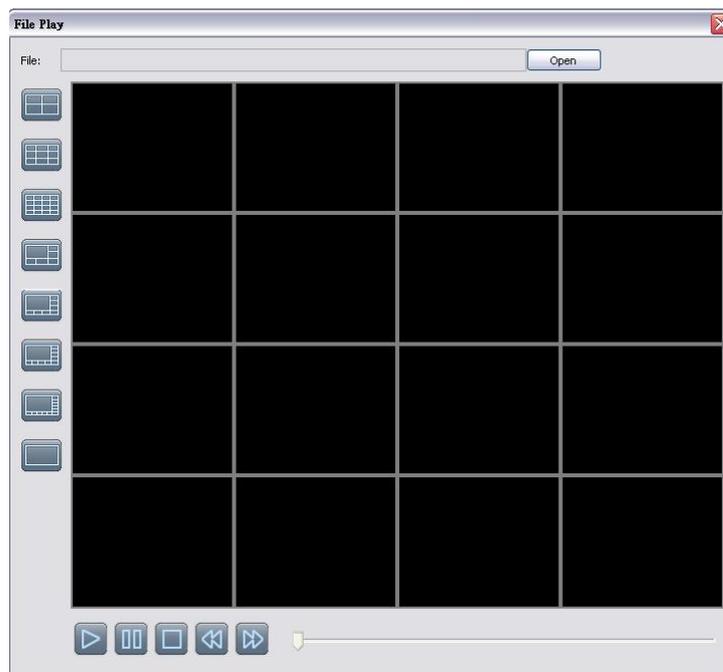
Note: Do not unplug the USB device or turn off the DVR during the backup process to avoid any unrecoverable errors.

Installing File Play Software

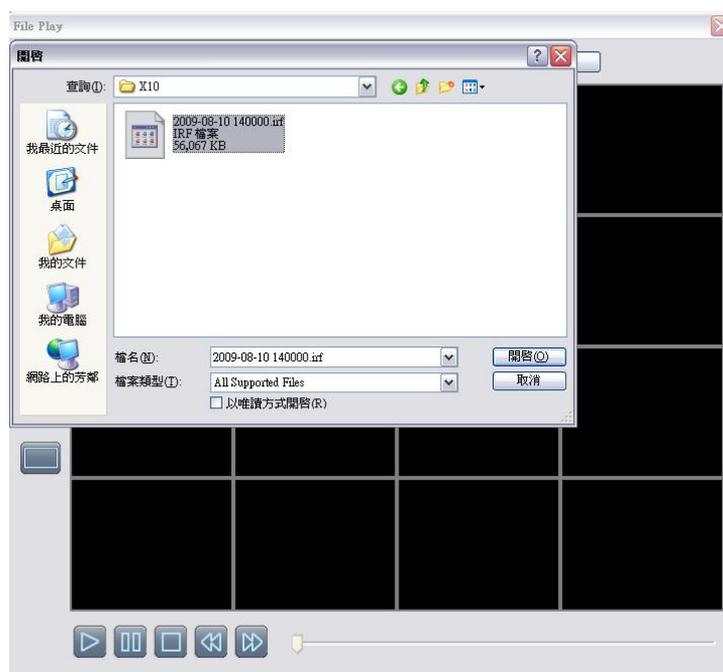
1. Install the **File Play** software on your PC. You can get the '**File Play**' file from the CD supplied with the DVR.

When using a USB device to backup files, Fileplay.exe will be automatically copied to the USB memory.

2. Setup the playback software using the 'fileplaypack.exe' file

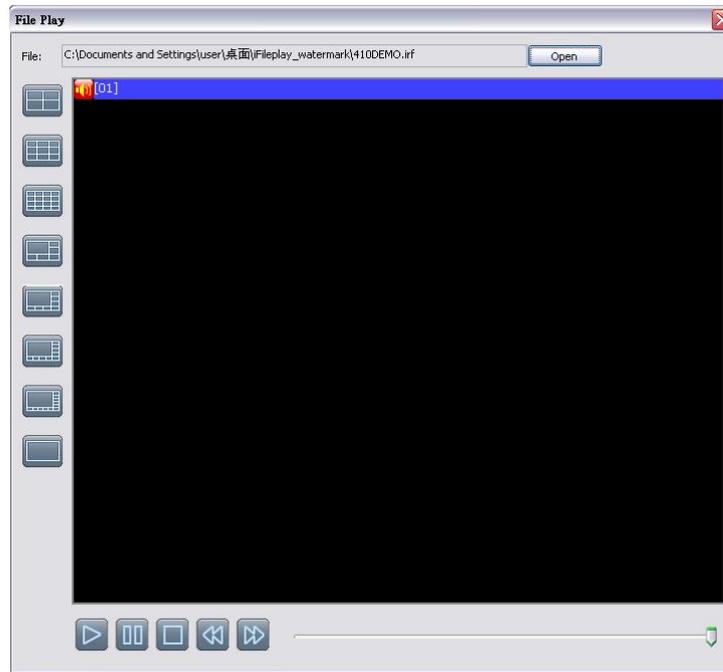


3. Click 'Open' and choose the DVR backup file to playback



4. The **File Play** software will play the backup file automatically.

5. If there is no display on the screen, the backup file may not be supported by the DVR. Check the format of the playback file.



2-2 SEARCH SETUP



Item	Description
Event Search	Click to Search by Event.
Time Search	Click to Search by Time/Date.

2-2.1 EVENT SEARCH



The DVR automatically records events with type, time and channel information included. If there is recorded data for an event, a yellow icon  will be shown on the left side of the time information. Rest your cursor under the line and press 'Enter', or left click your mouse to playback the recording data.

Event Records will still be generated even when a hard disk is not installed or the record function is not activated. The recorded file can't be viewed after selecting it.

Item	Description	
Criteria	Setup the conditions of event search.	
Page	Switch between pages of events.	
Date/Time	Date/Time when event occurred.	
Event Type	Event types are defined as follows:	
	Motion	Motion Detected.
	Video Loss	Video Loss.
	Remote Login	User login over the network.
	Remote Logout	User log-out over the network.
	Power On	DVR Power on.
	HDD Full	HDD Space FULL.
	HDD Error	Detect HDD error.
Reboot	DVR Reboot.	
Info	The channel where the event occurs	

2-2.1.1 CRITERIA SETUP FOR EVENT SEARCH

There can be a numerous number of events recorded. You can facilitate event sorting by setting up 'criteria'. For example, define the 'start time' and 'end time' and the search result will be limited to this specific period of time. Only checked events and camera channels will be sorted in the Event search.



2-2.2 TIME SEARCH

Time search can search for the specific time of recording data to playback. Press 'Enter' or left click on the desired date to playback. Note that dates with recording data are marked with a red square '□'. The system will start playing back footage for the dates you have selected. Use the mouse to click on 'year' and 'month' to view other calendar dates.



Click 'date' to display the recording times of that specific date with a time bar. You can change time (hour/minute/second) or click on a specific time within the time bar using the mouse then pressing OK. The DVR will playback the selected recorded data.



CHAPTER 3: Remote Software Installation and Setup

3-1 REMOTE MONITORING USING REMOTE DESKTOP SOFTWARE

DVR Remote Software" will allow you to remotely access and control the DVR from a PC. Information on how to install the software are detailed as follows:

Operation Systems supported: Windows XP SP2 (and above), Windows Vista and Windows 7.

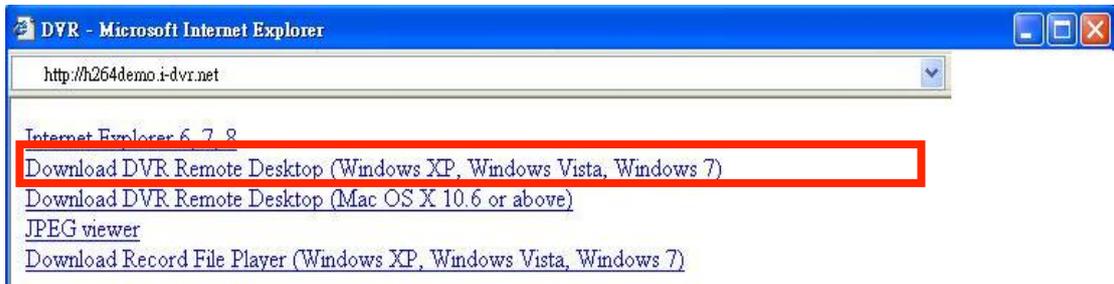
1. Enter the IP address of DVR in IE browser (the URL shown below is an example)



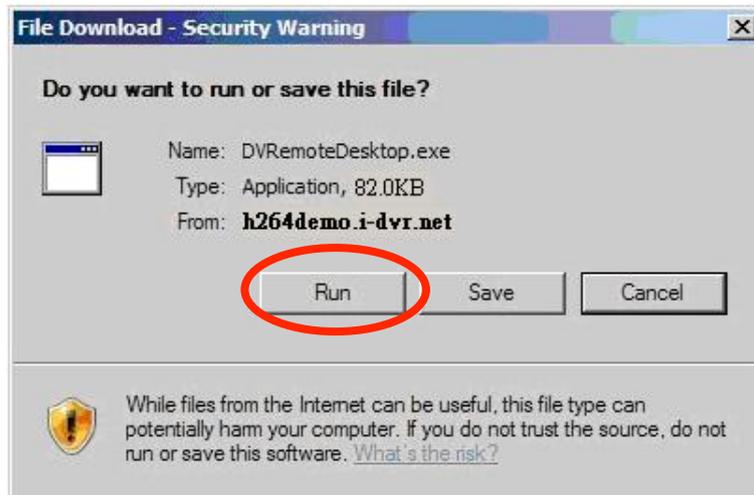
2. Enter the user name and password into the pop up window. The default user name and password is **admin/123456**. For related setup information about user accounts and passwords please check **section 4-5 'Account Setup'**.



3. Click on the link shown to start downloading the Remote Desktop software.



4. Run or Save the AP software



5. If you choose to run the software, the Start window will appear. Enter the login information of the DVR: IP, Port, Username and Password, or choose 'Play Recorded File' to just open backup files in your PC.



The DVR the interface will be displayed as follows.



Please wait until the DVR image is displayed as shown below:



The JPEG Viewer only allows the user to view live images only.

The DVR Remote Desktop AP software provides some extra functions for remote users. Check the table below for the minimum system requirements for software to operate successfully.

CPU	Intel Pentium 4 above
OS	Microsoft Windows 7, Windows Vista, Windows XP SP2 above
RAM	512M above
VGA Card	Must support DirectX9.0 (or above) *
Others	DirectX 9.0 above

Table 3-4.1 System Requirements for AP software

* Known VGA card that support DirectX9.0 currently:

NVIDIA:

GeForce FX series, GeForce 6 series, GeForce 7series, GeForce 8 series, GeForce 9 series, GeForce 200series, etc.

Or visit: http://en.wikipedia.org/wiki/Comparison_of_Nvidia_graphics_processing_units

ATI:

Radeon R300 series, Radeon R400 series, Radeon R500 series, Radeon R600 series, Radeon R700 series, Radeon HD 3xxx IGP series, Mobility Radeon series (9500 above), Mobility Radeon X series, Mobility Radeon HD series, or FireGL V series etc. or visit:

http://en.wikipedia.org/wiki/Comparison_of_ATI_graphics_processing_units

SiS:

SiS 67X series, or SiS 77Xseries etc. or visit: http://www.sis.com/support/support_compare.htm

Intel: 91X series, 94X series, 96X series, G3X series, or G4X series, etc. or visit:

http://en.wikipedia.org/wiki/Intel_GMA

CHAPTER 4: SPECIFICATIONS

Function		SDC4	SDC8
Video	Inputs	4 BNC sockets	8 BNC sockets
	Outputs	1 VGA socket, 1 BNC socket (Spot Monitor)	
Audio	Input / Output	1 Phono socket / 1 Phono socket	
System	OS	Embedded Linux OS	
	Internal HD	Supports 1 SATA HD	
	Control Interface	RS-485	
	USB Connections	2x USB ports	
	Dimensions	225x46x215mm	
	Weight	0.77kg	0.82kg
	Power	100-240V AC, (12V DC, 3000mA)	
Display	Speed	100fps	200fps
	Resolution	720x756	720x756
	Split Screen	1, 4, Sequence	1, 4, 8, Sequence
	Auto Switching	Switching Time: 1-999 seconds	
	Mode	Zoom (Digital x2 to x8), Picture-in-Picture, Auto Sequence	
Recording	Compression	H264 ASP (Internet transmission: H264)	
	Recording Stream (Main/Network)	704x576, 704x288, 352x288	
	Picture Quality	5 levels (selectable)	
	Mode	Manual, Motion, Scheduled	
	Recording Speed	D1 100fps (704x576) HD1 100fps (704x88) CIF 100fps (352x288)	D1 100fps (704x576) HD1 200fps (704x288) CIF 100fps (352x288)
	Pre/Post Alarm	10 seconds / 1 to 60 seconds	
	Watermark	Yes	
Playback	Display	1, 4	1, 4, 8
	Search Mode	Date, Time, Event, Camera	
	Zoom	Digital (x2 to x8)	
	Snapshot	Yes	
	Speed	Normal, Rewind, Fast Forward (recorded speed, x2, x4, x8, x16, x32, x64), Frame-to-frame, Pause	
	Device	Internal Hard Drive	
Network	Network Interface	10/100 Ethernet	
	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE (ADSL), NTP	
	Application	Windows XP/VISTA/7 (PC Client system)	
	Remote Software	Licensed Application Software, IE Browser	
	Account	1 Administrator, 4 Users	
	CMS	Unlimited, depends on bandwidth	
	3G/GPRS	Symbian, Windows Mobile, Blackberry, iPhone, Android	
Backup	Event Transport Interface	Email	
	Audio Backup	USB 2.0 or SATA HD	
	Network	Yes	
	Backup Device	Network Backup, USB Memory Stick, USB DVD-RW	
Alarm	Motion Detection	Yes (10 level sensitivity per channel)	
	Alarm Hold Time	1 to 60 seconds	
	Search By	Yes	
Control	Event Log	Up to 10000 events: Sensor, Motion, Video Loss, Power ON, Remote login/logout, HDD error, HD full	
	GIU	16 bit True Colour	
	Camera Title	Yes	
	USB Mouse	Yes	
	Touch Screen Compatible	Yes, USB Interface, EETI chipset only	
	Remote Controller	Yes	
	System Upgrade	Via USB or Network	
PTZ Support	Pelco D, Pelco P, Samsung, LG, Lilin		