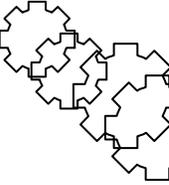




Quick Manual

H.264 Digital Video Recorder



1. Getting Started

1.1 Checking Supplied Items

Make sure that you have following items supplied with your DVR. If any of these items is missing or damaged, notify your vendor immediately.

- Quick Manual : 1 Piece
- CD (User Manual & Software) : 1 Piece
- 12V D/C Adaptor & Power Cable : 1 Set
- IR Remote Controller : 1 Piece
- Terminal Block : 1 Pair
- Rubber Mount : 1 Set



NOTE

- 1) Refer to the [Separate Manual] on CD for functional explanation of Front Panel, Rear Panel and IR Remote Controller.
- 2) The type of IR Remote Controller and Terminal Block may differ depending on the DVR model.

1.2 User Login

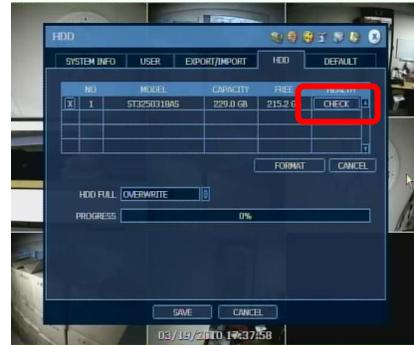
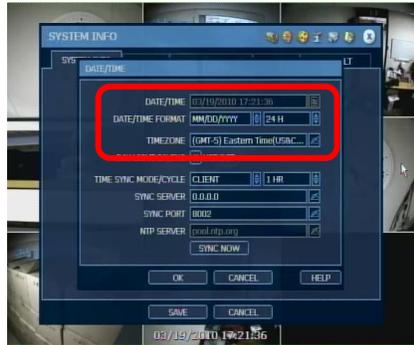


- 1) After turning on the system, login window will show up.
- 2) Click the keyboard icon to call virtual keypad and input password.

Default USER ID and PASSWORD are "ADMIN" and "1234". Admin user is to fully control the DVR system.
- 3) Click [OK] to finish login process.

1.3 Date/Time Setting and HDD Format

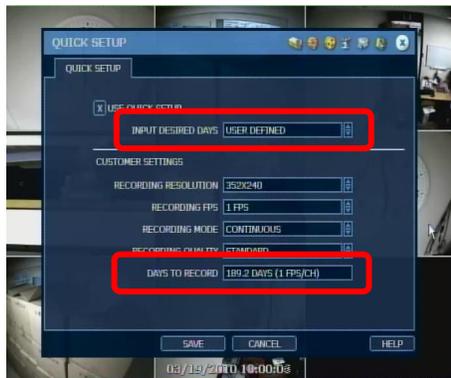
- 1) Go to the menu of [TOOL > System > System Info > Date/Time] and make a proper time/date setting based on your time zone.
- 2) User has to format new HDD before use. Go to the menu of [TOOL > System > HDD] and select the HDD to format.



NOTE Click [CHECK] button of each HDD to open the window of DVR HEALTH CHECK. User can see full information of each HDD such as model name, serial no, capacity, bad sector ratio, life time (used time) and temperature.

1.4 Quick Setup

Quick Setup is to help user make easy configuration for recording resolution, recording speed, recording mode, recording quality and recording periods based on the capacity of HDD installed.



- 1) Go to the menu of [TOOL > Quick Setup] and select [Use Quick Setup]
- 2) Input [Desired Days], then the system optimally adjusts full setting values and shows "Recordable Period" based on the capacity of HDD installed.

CAUTION! Recordable period calculated by Quick Setup is just for reference and may vary depending on the actual site situation.

2. System Operation

2.1 Using Tool Bar

Move the mouse cursor to the low part of the screen to open the hidden Tool Bar and click [TOOL] icon. Then, system setting menu such as **MENU**, **SEARCH**, **BACKUP**, **USER** and **SHUTDOWN** shows up.



Icon on Tool Bar	
	Instant Recording
	Go to PTZ Mode
	Go to Playback Mode
	Fixing Tool Bar to always open
	HDD capacity

2.2 Using Pop-Up Menu

Click the right button of the mouse to open pop-up menu.



DISPLY

> Select channel display mode

SEQUENCE

> Sequentially change display screen

ZOOM

> Zoom control of the selected camera

SEARCH

> Search the recorded image

PTZ

> Control the PTZ camera installed

MENU

> Open the main menu for system setting

2.3 Display Mode

User can select display mode by using tool bar or pop-up menu. The images can be seen on real-time speed by 1, 4, 9, 16 split screen and PIP screen.

Icon on Each Channel Screen		Icon on Main Screen	
	Continuous Recording		No HDD or HDD Failure
	Motion Recording		On Emergency Recording
	Sensor Recording		Using PTZ Camera
	Continuous & Motion		Warning for Overheated Temp
	Continuous & Sensor		Showing Sequence Mode
	Motion & Sensor		Digital Zoom Mode
	Emergency Recording		
	Sensor Activated		
	Motion Detected		
	Audio Channel		
	PTZ Camera		

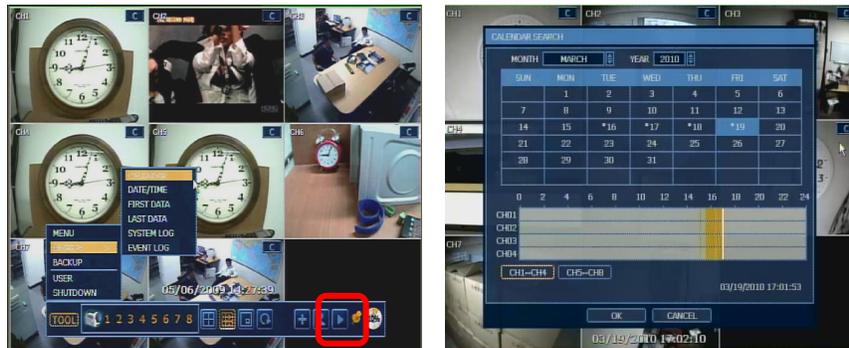
2.4 PTZ Mode

User can get into PTZ mode by clicking PTZ icon on the Tool Bar. While pressing the left button of mouse, user can drag the mouse pointer to up/down or left/right to move pan/tilt position of the camera.



2.5 Search and Playback Mode

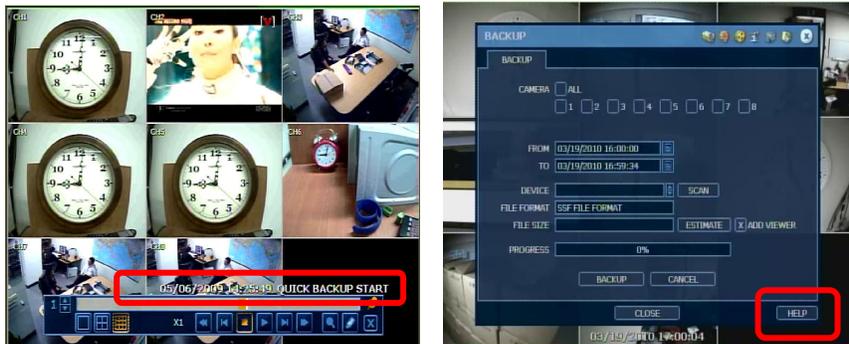
User can click the Playback icon on the Tool Bar to playback the latest video clip and search the recorded image by selecting the date & time on calendar.



2.6 Quick Backup Mode

User can easily archive video image under playback mode.

- 1) Press [ENTER] button on the front panel to set "start" time.
- 2) Once "Quick backup starts" message is shown on the screen, press the same [ENTER] button again to set "end" time.
- 3) Backup window will show. Select the backup media such as CD/DVD or USB thumb drive and execute archiving.



NOTE [HELP] button can help you understand how to setup several important settings.

3. System Setting

The structure of system setting consists of 6 categories as below.

Main Classification	Sub Classification
SYSTEM	SYSTEM INFO
	USER
	EXPORT/IMPORT
	HDD
	FACTORY DEFAULT
DEVICE	CAMERA
	AUDIO
	SENSOR
	MOTION ALARM
	EXTRA ALARM
RECORD	PTZ
	CAMERA SCHEDULE
NETWORK	NETWORK
	DDNS
BACKUP	NOTIFICATION
QUICK SETUP	MANUAL BACKUP
	QUICK SETUP

Advanced Features

- Time Sync by NTP Server
- Multi-Language Pack
- POS Data Recording
- Image Backup at both Local and Remote Side (S/W & Web I/E)
- Intensive Recording
- Instant Recording (Emergency Recording)
- Network Bandwidth Control
- Dual-Stream Function

NOTE

[Multi-Language Pack]

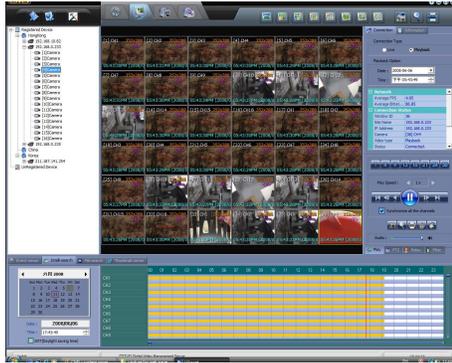
DVR supports three different language packs. If you can not find your language, contact your dealer to get the right pack of language.

- Pack 1 : English, French, German, Dutch, Italian, Spanish, Portuguese, Hebrew
- Pack 2 : English, Russian, Turkish, Hungarian, Polish, Slovak
- Pack 3 : English, Simplified & Traditional Chinese, Japanese, Korean, Thailand

5. Remote Software

5.1 CMS (Windows O/S Based Software)

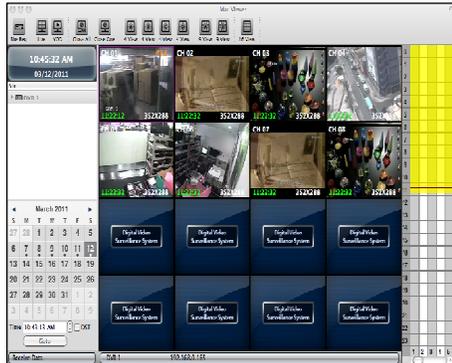
CMS (Central Management System) is a powerful centralized management solution that offers user full flexibility to control the entire system over the network, and consists of 4 functional modules, **System Monitoring, Image Display, E-Map and System Configuration.**



- Max. 180 Channel Real-Time Monitoring
- Up to 5 Monitors on a Single P/C Workstation
- Schedule Backup over Network
- Cloning Features to Create the Separate Windows.
- Multi-Layer E-Map Editor

5.2 MacViewer (Mac O/S Based Software)

MacViewer is the remote software that allows user to view both live and playback image on the Mac O/S computer.



- 16 Ch Real-Time Monitoring
- 16 Ch Playback with Search Bar

NOTE For detailed information, refer to the User Manual of CMS & MacViewer.

6. Mobile Viewer (WAP Connection)

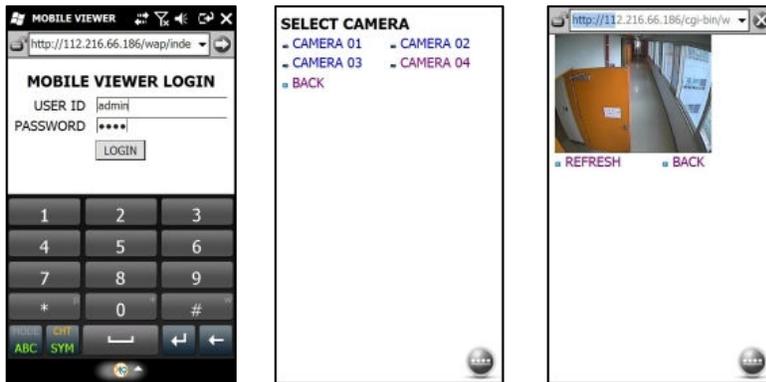
WAP (Wireless Application Protocol) is a system which allows devices such as mobile phones to connect to the Internet. **If user wants to connect to the DVR especially under narrow-bandwidth network situation by using 2G cellular phone, it is recommended to use WAP connection.**

It is the most simple and convenient way for mobile viewing because there is no need to install any client software on the phone.

Just type in IP address on the phone, then clear JPEG image is automatically refreshed by about 5 seconds interval depending on the network situation.

Input the IP address on the phone with following format.

- http://DVR_IP/wap/index.html
(ex, <http://123.123.123.123/wap/index.html>)
- If web port is changed to "8088"
<http://123.123.123.123:8088/wap/index.html>
- If using a public DDNS server
<http://yourddnsname.dvrDNS.org/wap/index.html>



- 1) If connection is successfully made, [Mobile Viewer Login] window will show up, then input User ID and Password (same one in the DVR menu)
- 2) Click Camera # to get the video image
JPEG image is shown and refreshed by 3~5 seconds interval depending on the network situation.
- 3) If you want to change Camera #, click [BACK] button and then select new Camera #.

7. MMS (Mobile Viewer by Smart Phone)

MMS is the mobile viewer software that allows user to view video image from the DVR on the mobile phones. By installing the corresponding MMS software on the mobile phone, user can view live video image through WAP, Wi-Fi or Dial-up Network.

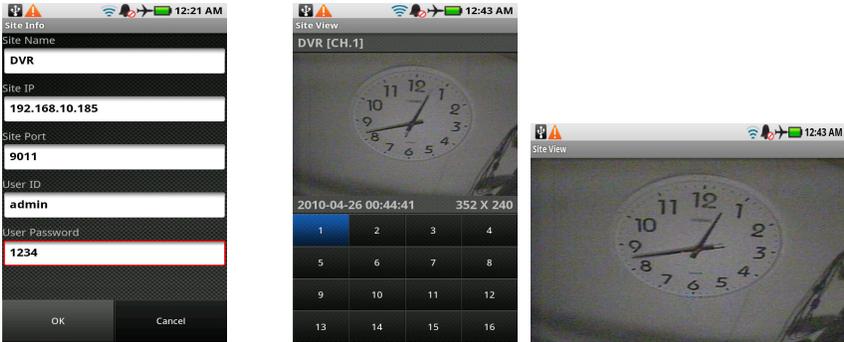
7.1 iPhone

MMS software for iPhone is registered at “App Store in USA”, hence you have to get your Apple account registered at same App Store in USA for software download.



7.2 Google Android Phone

MMS software for Google Android Phone is registered at “Google Market”. Download [MobileViewer] software from this site and install it on your phone.



7.3 Black Berry

- 1) Execute MobileViewer after installation on your phone.
- 2) Select the target site and channel # by using track ball, and then click [LIVE] button.



7.4 Windows Mobile O/S Phone

- 1) Execute MobileViewer software after installation on your phone.
- 2) Select the target site from DVR LIST and click [CONNECT] button to get live image.



NOTE

Smart-phone connection may be made through 3G if Wi-Fi is not available. In this case, heavy charges would be levied. It is strongly recommended that user pays attention to the connection mode, Wi-Fi (📶) or 3G (3G 📶).