SECUREMATE PIR-DVR32 Covert DVR Camera User Manual

SECUREMATE

SecureMate
Covert DVR Camera

User Manual

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SAFETY PRECAUTIONS

CAUTION
TO REDUCE THE RISK OF ELECTRICAL SHOCK
DO NOT OPEN COVERS (OR BACK.)
NO USER SERVICEABLE PARTS INSIDE.
REFER SER VICING TO QUALIFIED SER VICE PERSONNEL
It is advised to read the Safety Precaution Guide through carefully before operating the product, to prevent any possible danger.

WARNING: Tis symbol is intended to alert the user to the presence of urn-insulated dangerous voltage

CAUTION: This symbol is intended to alert the user to presence of important operating and maintenance (Servicing) instructions in the literature accompanying the appliance.

Disposal of O1d Electrical & Electronic Equipment (Applicable in the European Union 2ud other European countries with separate collection systems). symbol o the prodct or on its packaging indicates that this product shall not be treated as household
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. Dy ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and buran health which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For ore detailed information about recycling of tdis product, please contact your local city office, your household waste disposal service or the shop where you purchased the product. Do not Plug and unplug the power cord, it may result product malfunction. Do not install the product in an environment where the humidity is high.
Unless the product is waterproof or weatherproof, poor image quality may occur.
Do not drop the product or subject them to physical shocks.
Except for vandal-proof or shockproof product, malfunctions may occur Never keep the product exposed to direct strong light.
Excessive sunlight exposure can damage the product.
Do not spill liquid of any kind on the product. If the product gets wet, wipe it dry immediately. Alcohol or beverage can contain minerals that corrode the electronic components.
Do not install the product in extreme temperature conditions.
Use tbe product where temperatures are between 4l and 113 Fahrenheit. Be especially careful to provide ventilation when operating under high temperatures

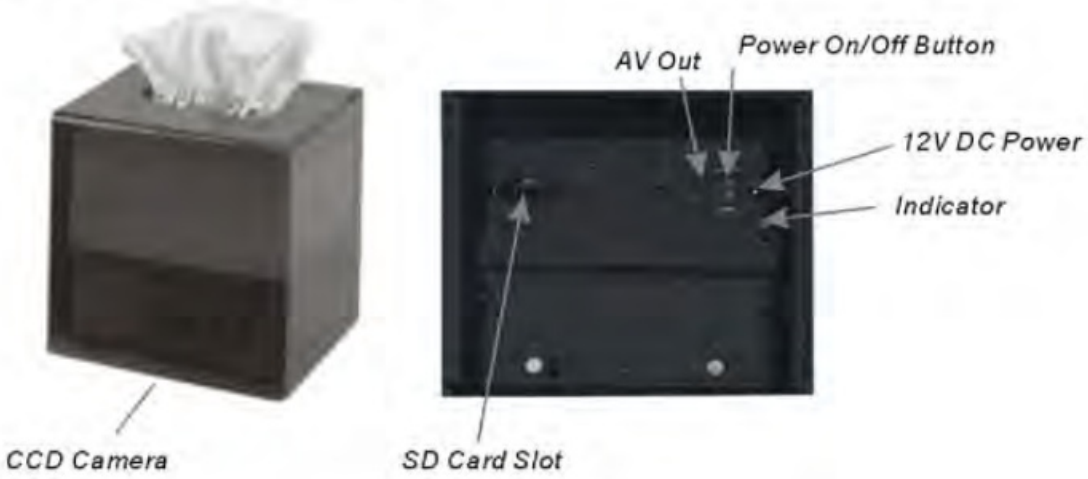
FEATURES

- The SecureMate Hidden DVR Camera supports NTSC or PAL video system, and auto detects video loss.
- The SecureMate Hidden DVR Camera is built-in with MPEG4-SP video and G726 audio codec. Tt supports a 1 channel video and a 1 channel audio recording and playback operation.

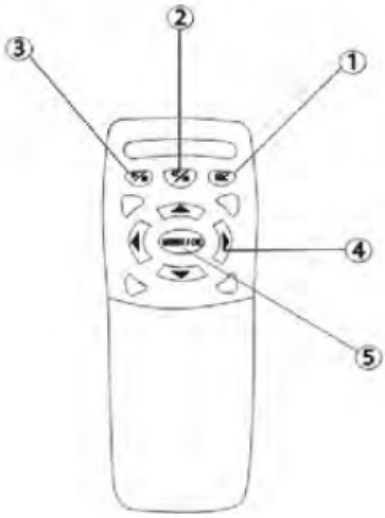
- Audio/ Video data are recorded directly on the SD card with FAT16/ 32 file system and ASF file format. Simple data backup method to a PC.
- Audio/ Video data are recorded directly as ASF file format. You can view the data straight from your PC, and playback those ASF files with popular media players.
- THE USB interface enables data to be transfer to a PC.
- For | GB SD card, the record time is about 5 hours at Standard Quality for NTSC: 30 fps
- 352 x 240 and PAL: 12 fps @ 640 x 480.
- The DVR supports: Manual, Motion Detection, Schedule, and Alarm Recording mode with independent video size, quality, and frame rate set up.
- Schedule Record (Schedule Record Priority Order: Alarm/ Motion Detection/ Continuous) and TR Tihuminator can be setup to ON/ OFF and per hour.
- Support external alarm signal connection to enable alarm trigger recording.
- For motion detection, multiple detection blocks and appropriate motion trigger level set-ups are available.
- Support key lock function.
- For use anywhere, the device is supportd by DC power adaptor.

TBX-DVR Description

3.11 About the TBX-DVR
TBX-DVR s an economic and covert DVR with all-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
Itis simple to operate and is sultable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).
3.12 TBX-DVR Layout



3.13 Remote Control Functions



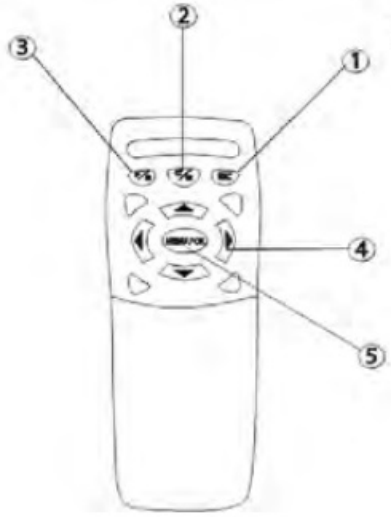
1 - Rec Button: ON/OFF
2 - ESC / Stop Button
3 - Play / Pause Button
4 - Directional Buttons
5 - Menu / OK Button

3.2 ALC-DVR32NV Description

3.21 About the ALC-DVR32NV

ALCOVRINY is an economic and covert DVR with all-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
Itis simple to operate and is sultable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).

3.22 ALC-DVR32NV Layout



3.23 Remote Control Functions

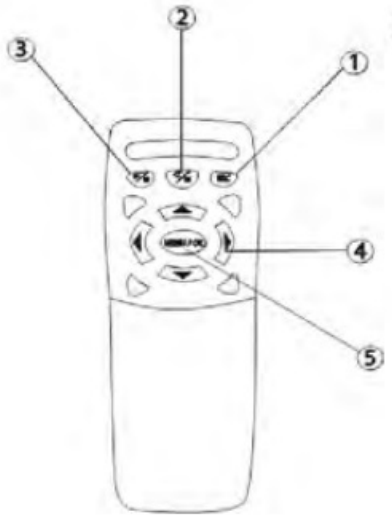
1 - Rec Button: ON/OFF
2 - ESC / Stop Button
3 - Play / Pause Button
4 - Directional Buttons
5 - Menu / OK Button

3.3 WCC-DVR32 Description

3.31 About the WCC-DVR32

'WCCDVRa2 is an economic and covert DVR with all-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
Itis simple to operate and is sultable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitling surveillance).

3.32 WCC-DVR32 Layout



3.33 Remote Control Functions

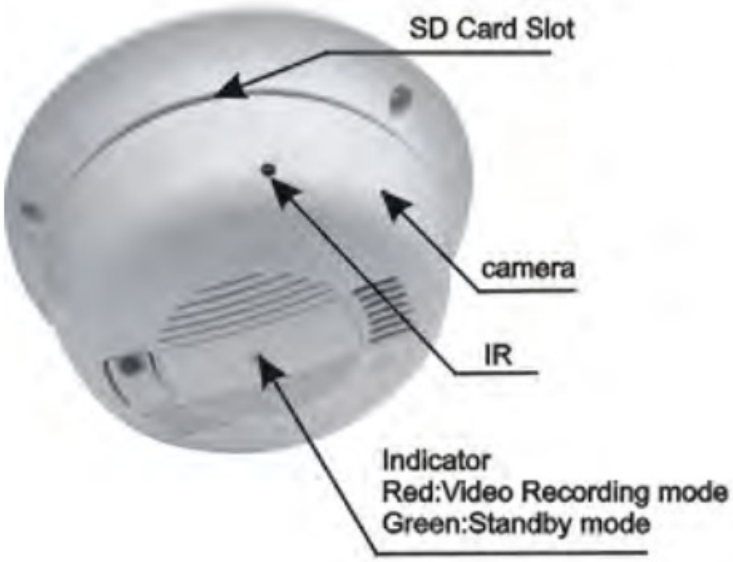
1 - Rec Button: ON/OFF
2 - ESC / Stop Button
3 - Play / Pause Button
4 - Directional Buttons
5 - Menu / OK Button

3.4 DVR-358 Description

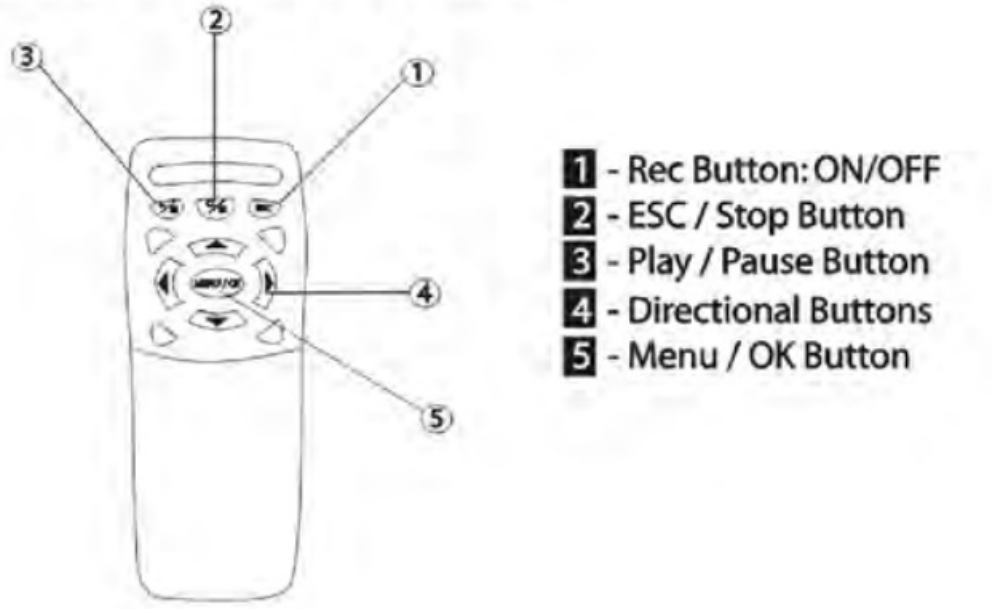
3.41 About the DVR-35S

DVR-358 is an economic and covert DVR with all-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
Itis simple to operate and s sultable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).

3.42 DVR-35S Layout



3.43 Remote Control Functions



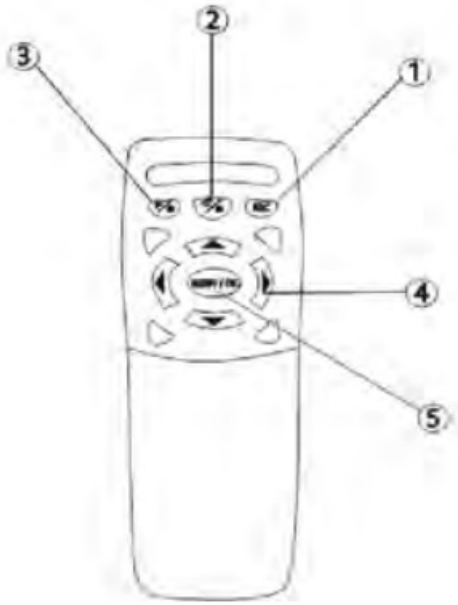
3.5 PIR-DVR32 Description

3.51 About the PIR-DVR32

PR.DR2 is an economic and covert DVR with all-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
It is simple to operate and ls suitable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance)

3.52 PIR-DVR32 Layout

3.53 Remote Control Functions



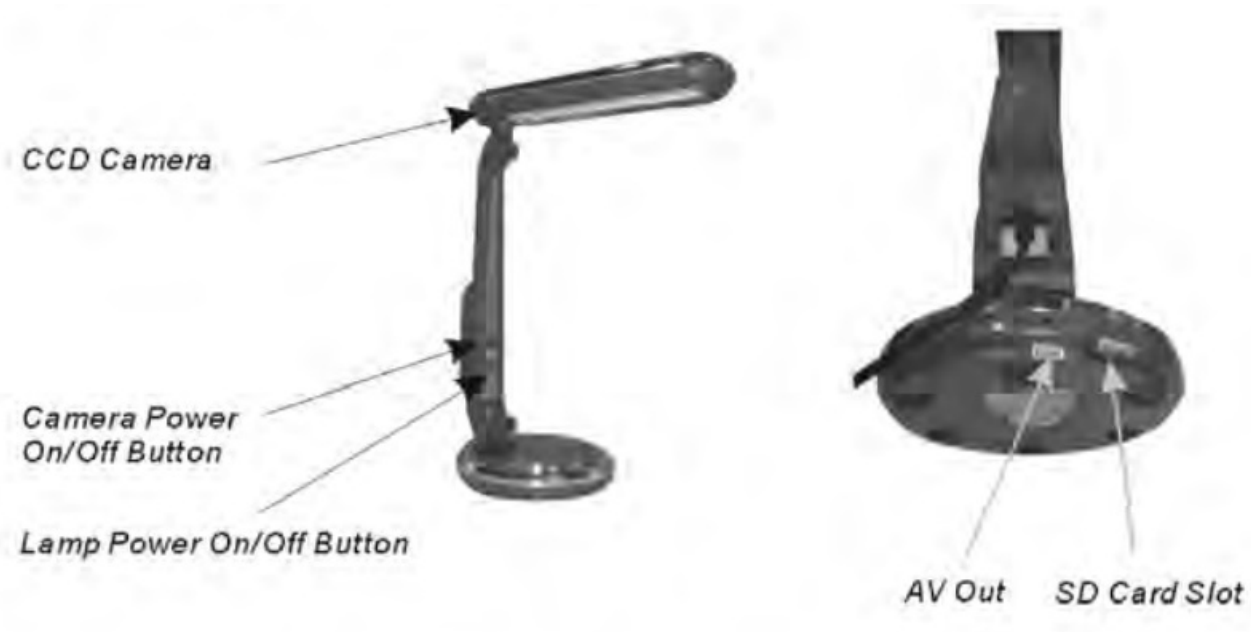
1. Rec Button: ON/OFF
2. ESC/Stop Button
3. Play/Pause Burton
4. Directional Buttons
5. Menu/OK Button

3.6 DLP-DVR32 Description

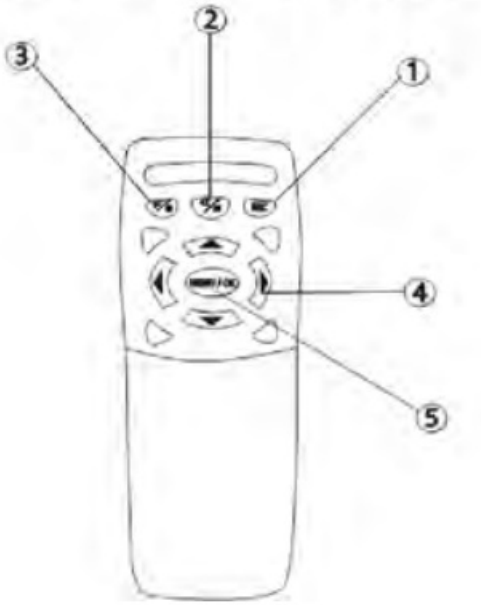
3.61 About the DLP-DVR32

DLP-DR32 Is an economic and covert DVR with al-in-one audio, video and playback function.
It has a SD memory card slot with a built in hidden camera.
It Is simple to operate and Is suitable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).

3.62 DLP-DVR32 Layout



33.6 Remote Control Functions



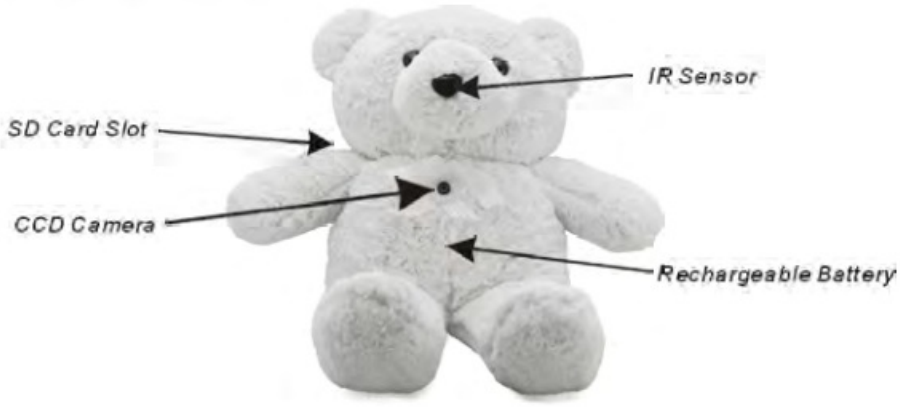
1. Rec Button: ON/OFF
2. ESC/Stop Button
3. Play/Pause Button
4. Directional Buttons
5. Menu/OK Burton

3.7 TD-DVR32 Description

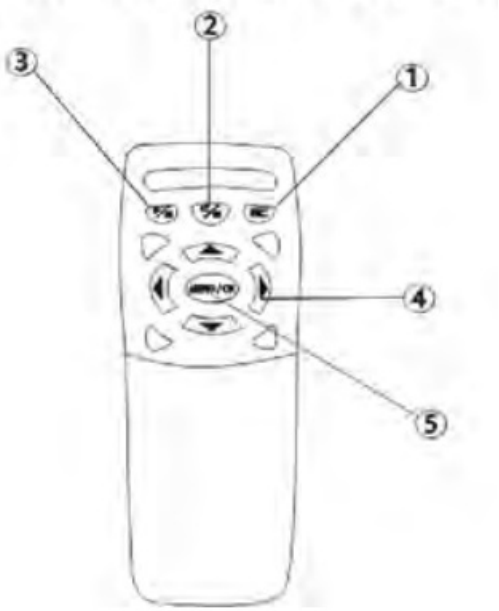
3.71 About the TD-DVR32

TD-DR32 is an economic and covert DVR with all-in-one audio, video and playback function.
t has a SD memory card slot with a built in hidden camera.
It is simple to operate and is suitable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).

3.72 TD-DVR32 Layout



3.73 Remote Control Functions



1. Rec Button:ON/OFF
2. ESC/Stop Button
3. Play/Pause Button
4. Directional Buttons
5. Menu/OK Button

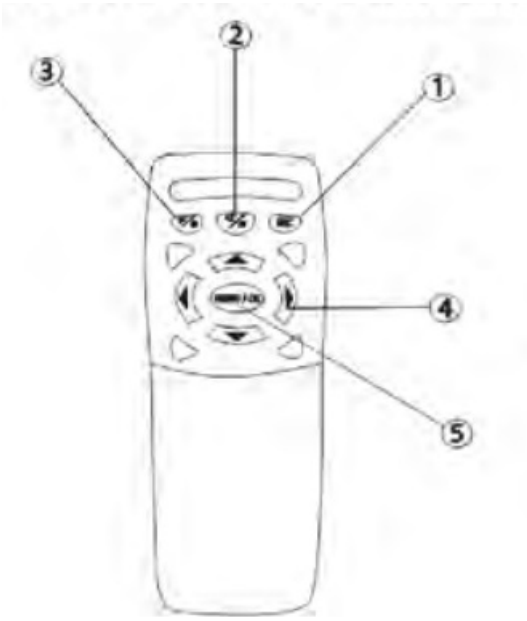
3.8 SP-DVR32 Description

3.81 About the SP-DVR32

SP-DVR32 is an economic and covert DVR with al-in-one audio, video and playback function
It has a SD memory card slot with a built in hidden camera.
It is simple to operate and ls suitable for all evidence gathering needs (such as on-site video evidence, loss prevention, babysitting surveillance).

3.82 SP-DVR32 Layout

3.83 Remote Control Functions



1. Rec Burton: ON/OFF
2. ESC/Stop Button
3. Play/Pause Button
4. Directional Buttons
5. Menu/OK Button

OPERATION

4.1 Power On

1. To power-up, connect to a AC power outlet.

   NOTE E:Each time after powering on, the system will auto-detect its peripherals. The REC LED will flash

indicating the SD card is proceeding testing (complete boot time is several seconds)

When an irage file error has been detected, the system will initiate auto repair

2. After powering on, the system automatically enters live monitoring. When the system is currently under schedule recording, it automatically will enter recordmode. i
3. leon shown on the status line, indicates that SD card is operating normally
4. Wen SD card is not inserted or there is an error on the SD card. The Rec indicator will flash quickly. Please re-format before proceeding.
5. You can play while the SD card is “read only”, but you cannot record; and Rec indicator will flash quickly.
6. Should a power-loss occur, the system automatically returns to the previous recording mode.

⚠ Do not withdraw the CF card while booting. It may destroy the data stored within the CF card

4.2 Live Mode

Live mode is the default setup after system start-up.

Time Display: System Date and Time.
Button Lock: Indicates all buttons are locked (buttons are ineffective).
Video Status; Indicates external camera connection.
Record Status: Manual Record Parameter.

:Record Size, please refer to [6.4 Record Setup] for VIDEO SIZE setup.

: Record Quality, please refer to [6.4 Record Setup] for VIDEO QUALITY setup.

: Audio Off Record, please refer to [6.4 Record Setup] for AUDIO RECORD setup.

SD Card Status:

:SD Card has not been inserted or there is an error

:SD Cardis conducting file testing

:SD Card is functioning normally

:Overwrite record

⚠ When SD card is pot inserted, record and playback function is not operational, but monitoring is operational.

4 .3 Record Mode

1. Start Record: 3 Types of recording mode.

   (1) Manual Record: Suitable to record at anytime. Press (Ree) button, to enter manual recording status (start recording). For more information, please refer to [6.4Manual Record & Schedule Record].

   (2) Motion Detection Record: Suitable to record, when there are severe image changes. Motion detection

triggers schedule recording, but it will only start recording when the variation exceeds the alarm limitation value. For more information, please refer to [6.3 Motion Detection] and [6.4 Manual Record & Schedule Record] (3) Continuous Record: Suitable for few constant frame recording or on long-term continuous recording. For more information, please refer to[6.4 Manual Record & Schedule Record] (4) Alarm Record: Suitable for external alarm recording. When alarm schedule been setup, alarm icon will be sbown on the display status bar (alarm triggered recording is setup).

2. Stop Record:
   Press (STOP) button/ Manual Power-Oft/ Auto Power-Off when Manual Record
   System Power Shortage. Schedule Record
   To Stop Schedule Recording.Pree(MENU/OK),select(schedule record),(schedule setup)and turn the function OFF. To continue recordin lease follow the methods below to restart recording

Manual Record	Repress (REC) button.
Schedule Record	Record | Stop playback and the system will auto resume recording.

3. Record Display:

   @ Record Status:
   : Indicates recording is in progress.
   @ Record Mode:
   : Manual Record
   @ : Schedule Record
   : Motion DetectionRecord
   Alarm Record
   Record Storage Mode Status:
   : Continuous Record
   % * Remaining Storage Capacity

4. System recording is determined according to the recording priority order (Record Priority: Manual/ Alarny/ Motion Detection/ Continuous).
5. Different recording modes may have different kinds of setups. Basic setup: video size, recording frames, video quality, and audio recording. When different recording modes are triggered, the system starts recording

according to the different setup. This kind of design provides flexibility to ensure efficient recording time and quality. Example: Work hour from 8:00am to 6:00pm, setup" Schedule Record to low video quality with less recording frames to extend the recording time. And off work hour, setup "Motion Detection Record/ Alarm Record ; to enable high video quality with the highest recording frames, 'when an event occurs.

6. Video or audio may be recorded into the SD card (SD card is purchased separately).

   ⚠ Do not withdraw the SD card while recording, It may destroy the data stored within the SD card.

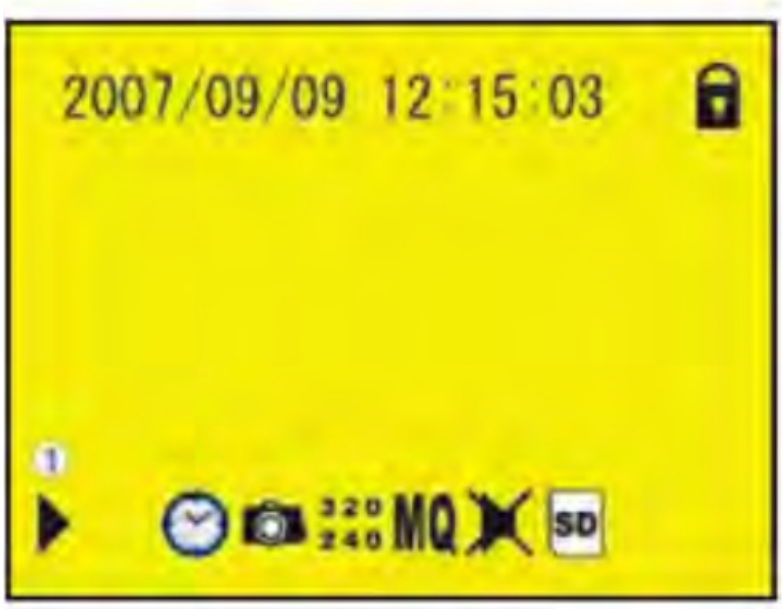
   ⚠ Power loss during recording can result incomplete videos or errors.

   ⚠ If video is lost during recording, the system stop ~recording, backup the files, and 'will continue recording only after video signal is restored

4.4 Playback Mode

Selectable Playback format: Continuous Playback and Searching Playback.

1. Normal Playback: Press (PLAY/PAUSE) Button to first playback the final recorded data, and then according to the SD card file recording order.



   © Playback Status:

   Press (PLAY/PAUSE) Button once to playback, press it again to pause.

   * Press directional buttons to Fast Rewind or Fast Forward (Speed:

   X2/ x4/ x8/ x16/ x32). Press {PLAY/PAUSE} button to return to normal speed playback,

   * During playback, press (PLAY/PAUSE) Button to pause playback and Ppress again to return to playback status.

   : During pause, press directional buttons to step back one frame or to step forward one frame and press (PLAY/PAUSE) button to refum to normal speed playback.

   Press {ESC/STOP) button to stop playback function and to return to live status.

2. Search and Playback: Enter MENU and select [SEARCH AND PLAY] item.

File directory shows dates and the amount of contents under the directory. The user may press Directional buttons to move the cursor up or down.

Current location page.

Event Record Status Icon: : Motion Detection Continuous : Alarm

Bach colorm distingue ishing different recording cvents, the user may press directional buttons to move the cursor left or right and immediately shows the first image of the highlighted event on the screen display background.

Displays the time highlighted by the event bar.

NOTE 1 : Select the starting point and press {MENU/OK} button to playback.

NOTE 2 : Press {(ESC/STOP) button to stop playback and the system will retumn to [SEARCH and PLAY] selection and enables the user to select the prefered input source.

⚠ The device supports playback only to images recorded by our device, other ASF video files are not guaranteed.

4.5 PC Playback

1. The device uses SD card s its main storage. You may read the data stored in the SD card from the computers that supports SD card reader device.
2. All files (under DVMPG4 folder) has approximate size of 1MB and file names are ordered according to recorded times (sequence).

   File Playback: ~ User may use Microsoft —Media Player or DivX—DivX Player (**http://www.divx.com/**) to playback video files.

   ⚠ When first time using Media Player to playback, it requires the most updated decoder from the Microsoft ~ software website.

4.6 SD Card Maintenance

1. The device supports only FAT16/ 32 file system; therefore it is unable to determine other file systems. Please format the SD card (enter [MENU/ SD CARD OPTIONS] and select “Format”).
2. The system supports only partial SD card file system repair. The system is unable to detect any file system . therefore please format the SD card (enter [MENU/ SD CARD OPTIONS] and sclect “Format”).

4.7 How to Download the Updated Software

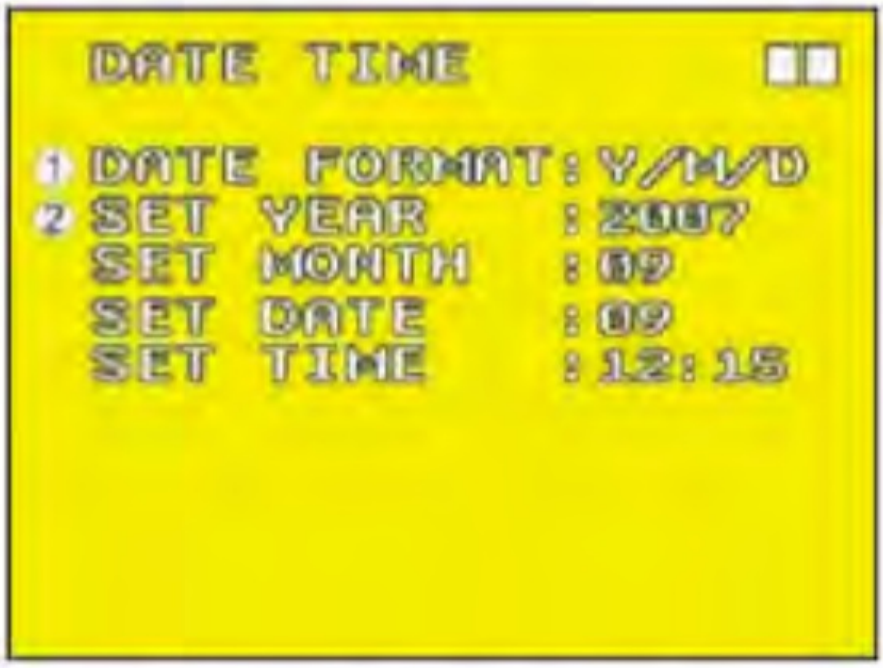
1. Use the SD card to update your system firmware.
2. Please follow the steps below to update the software:
   (1) Copy the new system firmware into the new directory of the SD card from your computer.
   (2) Insert the SD card; switch off the main power and then restart.
   (3) Wait for 5 fo 6 seconds, the system update will be complete and retur o five mode.
   ⚠ Do not extract the SD card while booting, if powar-loss occurs while downloading, proceed for steps Band C

MENU SETUP

5.1 Main Menu

NOTE 1: All words underlined and bold indicates “Default Value |

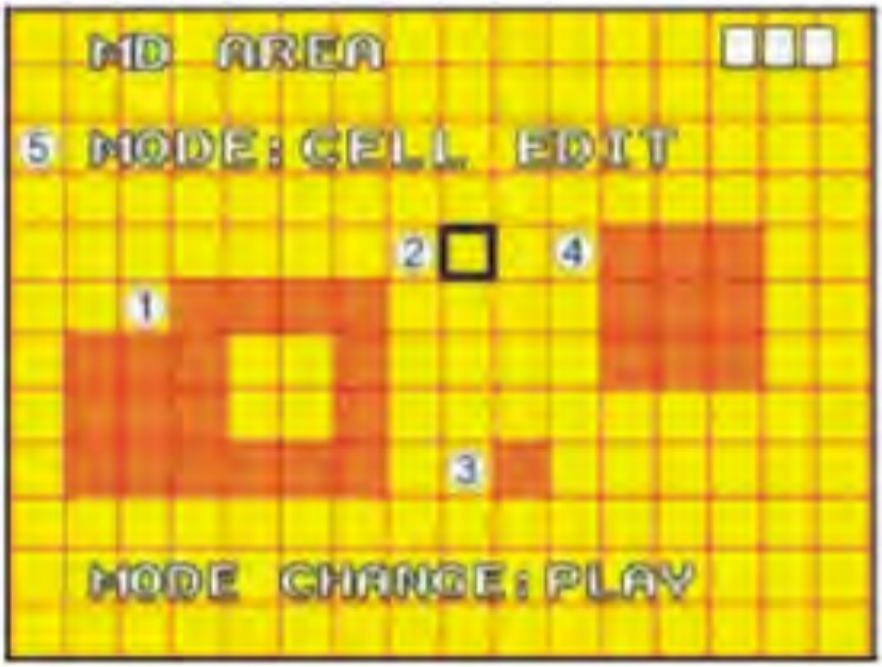
5.2 Date/ Time



Date Format :¥/M/D M/D/Y D/M/Y
Date/ Time Adjustment ~ : Year Setup: 2000 – 2099
Month Setup: Time 100 00 23:59
Return to factory default, no changes will be made.

5.3 Motion Detection

1. Window Setup:



Detection Block: Formed by two or more cells,

Cursor: Press {MENU/OK) button to switch to Select/

Edit mode.

Detection Cell: The whole screen is divided into 16×12 cells.

Detection Block.

2. Cursor Movement: Press {MENU/OK} button to switch to setup mode (cursor color is ‘black), press directional buttons to move the cursor freely.
3. Motion Detection Area Setup:

   (1) Press (MENU/OK) button to edit detection block- Mode

   CELLEDIT Single detection cell sctup (detection/ non-detection)

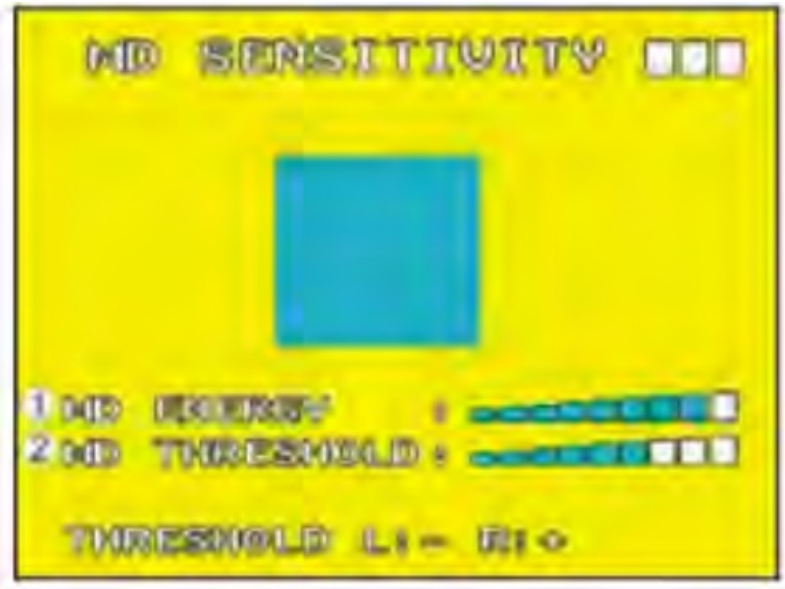
   DELBLOCK Disbablock DELALL Delcteall cells

   ADDBLOCK Erableablock ADDALL

   Ensble all cells

   (2) Press{MENU/OK Button to switch cursor o edit mode (cursor color is pink). Press direction button, follow step (1) to change the size of the detection block.

   (3) Detection area is shown by color red, press Enter to enable/ disable the detection block.
4. Motion Detection Sensitivity Setup: Changing the alert value may affect the reconding sensitivity of the Motion Defection.



MD ENERGY

* Reveals current sensitivity rate (NOTE 1).

MD THRESHOLD

: Reveals user sensitivity rate setup. Press directional ‘buttons, to change the motion detection threshold level

- **NOTE** L Motion detectioe is triggered wbee MD ENERGY level exceed MD THRESHOLD level (red Moel)
- **NO’TE** Thered cells revels the setup made by tbe user

5.4 Record Setup

Selectable manual or schedule recording, basic setups are shown below:

L. MANUAL RECORD: Press (REC) button to start recording (NOTE 1).

1. Video Size/ Frame Rate Setup:
   VIDEO SIZE 3201240 6405480
   FRAME RATE (MAX) 30 fps 1216s
   @Image Quality: HIGH
   Using high recording quality (More CF card storage capacity will be required).
   MEDIUM Using medium recording quality. Low
   Using low recording quality (Less CF card storage capacity will be required).
   Audio Record: Enable or disable audio recording.
   NOTE 1: Me sctup is inapplicable during manual rocording.
2. SCHEDULE RECORD (Alarm Detection/ Motion Detection/ Continue): Records only within the setup time range.

1. SCHEDULE SETUP * Enable/ Disable schedule and record mode setup.
2. ALARM RECORD + Alarm setup.
3. MOTION RECORD * Motion detection setup.
4. CONTINUE RECORD : Continuous setup.

(1) SCHEDULE SETUP :

Record ON/ OE setup (default setup is OFF).
• Press directional buttons to set, go schedule time and to setup different SCHEDULE SCHEDULE MODE types

of recording schedule. (: Moton Detection Record (:

Continuous Record : Alarm Triggered Record (2) Increase setup during Alarm Detection: new macre

DURATION : Duration time when motion detection has been triggered (05 – 90 SEC (increase by every S SEC)/10 SEO
ALARM INPUT : Alarm trigger method (NC/N.0.)
Increase DURATION setup during Motion Detection Record:

CONTINUOUS RECORD : Continuous record time when motion detection has been triggered (05 – 90 SEC (increase by every 5 SEC)/ 10 SEO
CONTINUE RECORD:

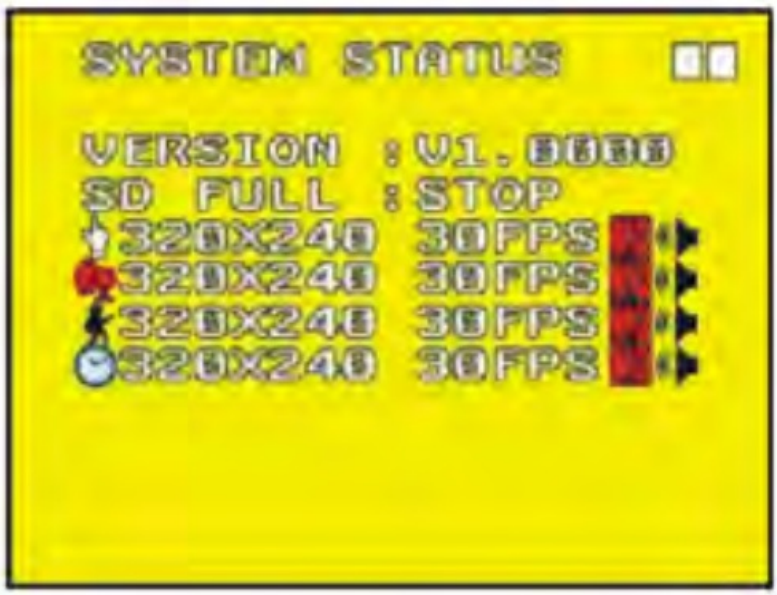
Setup method is similar to manual record setup, for more information please refer to [6.4 I MANUAL RECORD].
5.5 SD Card Options

TOTAL SPACE : SD card total capacity
REMAIN SPACE : SD card remaining capacity.

NOTE 1:For continuous recording, old videos can be deleted and overwritten. Please confirm before setup

NOTE 2Recording time depends on tde SD card capacity, different recording modes, and degree of video variation

5.6 System Status



Press any button to return to the Main Menu.

5.7 Power On Setup

LANGUAGE : Setup menu language.
COMPOSITE : Setup video output format, NTSC/ PAL (NOTE 1).

☛ **Note** One camera is connected, tde device automatically will detect tde NT'SC/ PAL video system (the output video sywterm will be setup the same as its input video system). If camera is not connected, the video system setup will be the same a its previous setup

5.8 Factory Default

Press (MENU/OK) button, returns all settings to the factory default value (NOTE 1).
Press (ESC/STOP) button, exit this screen display and returns to the Main Menu

☛ **NOTE.** Returning to factory def.hr will ere all previous selected configuration valoes.
(Eoept for date /time set up) .Plese coo firm your selection before yo proceed

6. TROUBLE SHOOTING

QI. What is the recording capacity for4GB SD card?
AL. Different recording setup bas different recording capacity. Table below shows possible recording time durine continues recording with different record modes.

Quality	Frame Rate	SD Card	High	Medium	Low
VGA (640 x 480)	12 FPS	4 GB	10h 20min	18h 36min	26h 36min
QVGA (320 x 240)	30 FPS	4 GB	10hs	25h 20min	40hs
SD CARD	Video	MPEG4	SD CARD	Video	MPEG4
4GB	8Hours	640 x 480	16GB	32Hours	640 x 480
8013	16Hours	640 x 480	32GB	64Hours	640 x 480

02. Why does the system automatically reboot during normal operation?
A2. It indicates that the SD card has detected an error. To ensure data is recorded properly, the monitoring procedure will reboot the device. The system will return to the status prior to the error after the reboot (Ex.: returns to Manual Record or Schedule Record).
Q3. Why won't the drag scroll work when playing back on PC?
A3. To solve this problem, please download "Asf Tools" (**http://www.geocities.com/myasftools**)

SPECIFICATION

Video	System	NTSC / PAL Video System and Video Loss Auto Detection
	Codec	MPEG4-SPASF File Format
	Record Frame Rate	I. 2, …. Maximum fps selectable Maximum: 30 fps($320×240 / 12 flistii640:400
	Record Quality	Low / Medium / High
	Recording Date/Time	Overlay witb Video Images in ASP' File
	Input	From Built-in Camera
	Output	1 CH Composite Video Line Out
Cam	Resolution	SONY CCD 4SOTVL High Resolution
	Slim I 1 I umination	0.1 LUX
	Leas	3.7rom pinhole Lens
Audio	Mit	High Sensitisity Microfone
	Sampling Rate	44.1 K112
	Codec	G726/ 32 kbps
	Input	From Built-in Microphone
	Output	1 CH Audio Line Oat
Audio Device		Microphone
Storage Media		SD Card (FAT16/ap to 32GB) MAX FILES: 16384 FILES
Serial Port		USB 1.1 (Read-Only)
Recording Mode		Manual / Schedule (Alarm / Motion Detection / Continue)
Motion Detection Setting		Multiple Blocks and adjustable sensitivity
Event Search Function		Property and first Image of selected file is displayed
Playback Function		Play/Fast Forward/Fast Rewind/Pause/Step Forward/Step B ackward
Playback Speed		ill z2/ z4/ z8/ 116/132
Power Supply		ACILIOV
Dimensions		140 mm (L) z75 mm (W) z 27 mm H)
Operating Environment		30% -80% RH, St -45t (41°F – 1137)
Storage Environment		30%-90% RH, VC —50t (32°F —1227)

(Note: Design and Specifications are subject to change without notice.)

Documents / Resources

	SECUREMATE PIR-DVR32 Covert DVR Camera [pdf] User Manual PIR-DVR32, PIR-DVR32 Covert DVR Camera, Covert DVR Camera, DVR Camera, Camera

References

- Manual-Hub.com – Free PDF manuals!
- User Manual