



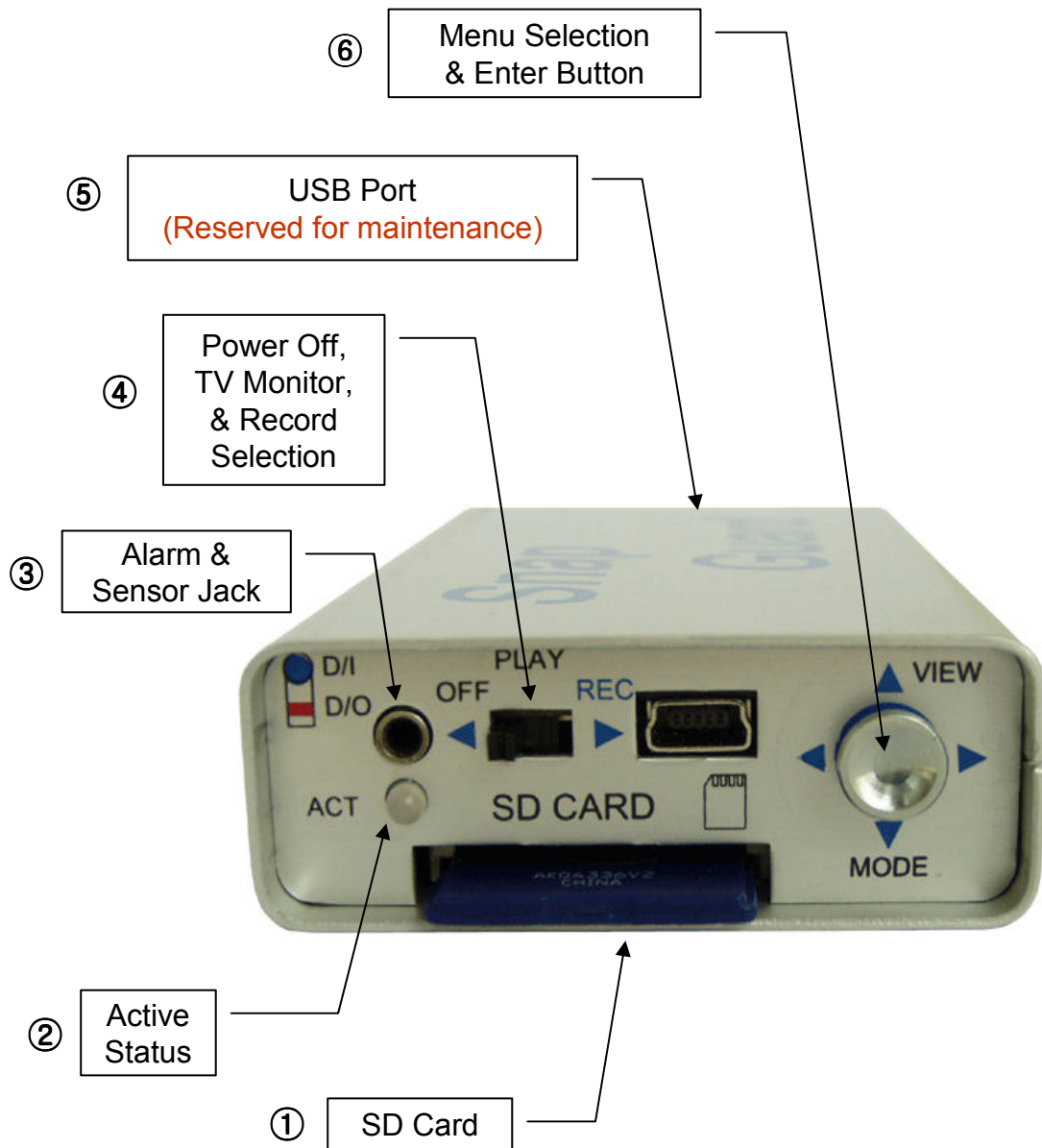
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Snap Guard

Quick Installation & Operation



Front Buttons



* Please touch and push the Menu Ctrl. Key in soft to prevent any damage.

Front Button Controls

① SD CARD

For storing captured image cuts

② ACT

Working Status LED

③ DI & DO

Alarm & Sensor Connection Jack

Use Audio Jack for sensor or alarm connection.

④ OFF/PLAY/REC Selector

This is a selector switch of “Power Off”, “Live Monitoring on TV”, “Stored Picture Display”, “Menu Set-up” and “Motion Capture” Mode.

1) OFF : Off the power.

2) PLAY : If the key positioned at PLAY, the default is “Live Monitoring on TV” mode.

At this mode, you can display stored pictures in sequence and also you can set the Snap Guard menu by controlling [Menu Ctrl.] key.

3) REC : If the key positioned at REC, you can store pictures by motion detection.

The motion detection is activated by the difference of camera input image or connected sensor.

⑤ USB Port

This is reserved for the maintenance by manufacturer or supplier, not for end-user.

⑥ Menu Ctrl.

Menu Set-up and Stored Picture Viewer Operation Control Button

This [Menu Ctrl.] button is only activated if the [OFF/PLAY/REC Selector] key is positioned at [PLAY].

[VIEW] Stored Picture Viewer Mode

If the [Menu Ctrl.] button is touched to the direction of [VIEW], you can see the stored picture image on TV screen in sequence.

You can use [◀], [▶], [MODE] and [Push] buttons for controlling viewer Operation.

[MODE] Snap Guard Set-up Menu Mode

If the [Menu Ctrl.] button is touched to the direction of [MODE], you can see the set-up menu for setting Snap Guard for your own purpose.

At this mode, you can use [◀], [▶], [MODE] buttons to select and choose each of menu options.

[◀] In [VIEW] mode, you can use this button to see the stored pictures in descending sequence from lower picture no. to higher no.

In [Set-up Menu] mode, you can use this button to choose menu and change option of each menu in descending sequence.

[▶] In [VIEW] mode, you can use this button to see the stored pictures in ascending sequence from higher picture no. to lower no.

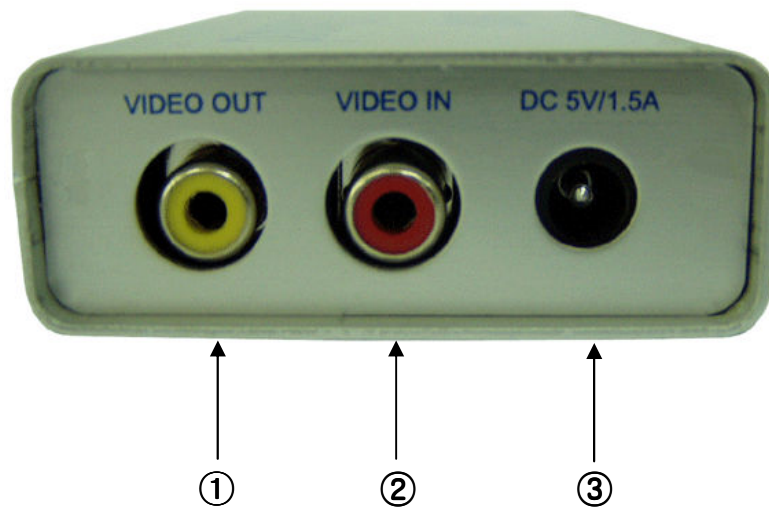
In [Set-up Menu] mode, you can use this button to choose menu and change each option of each menu in ascending sequence.

[Push] View Control Button

It works when you push [Menu Ctrl.] button and it is being used for **only** the automatic display of stored pictures in **[VIEW]** mode.

Rear Connection

- ① TV Out
- ② Camera Video Input
- ③ Power Input – 5V DC/1.5A for Snap Guard power only

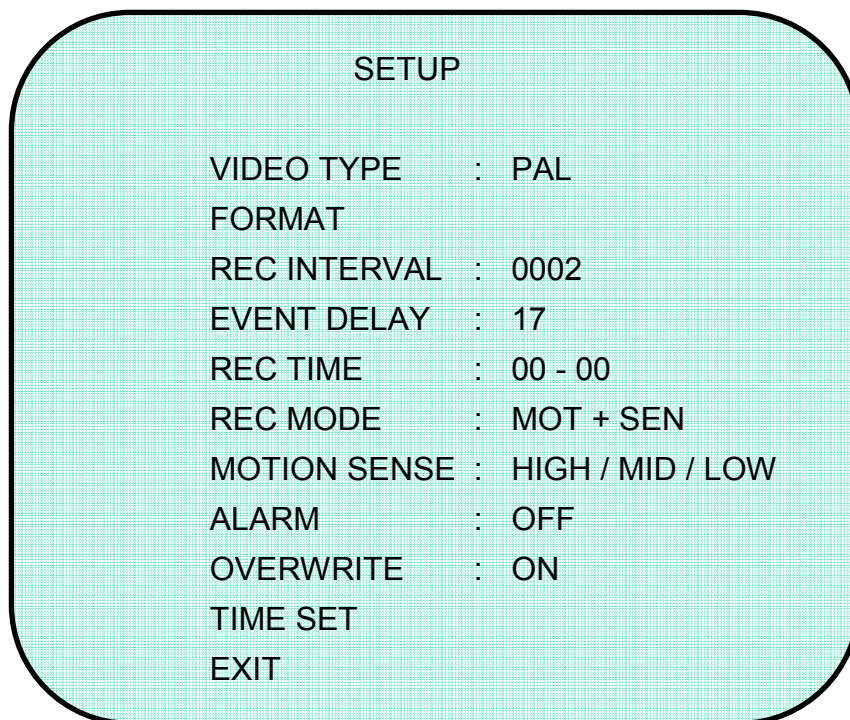


* Be sure that you have to disconnect the [③ - Power Input] before plug-in and plug-out the SD CARD for the prevention of SD CARD damage.

SETUP Screen

At the [PLAY] mode of [OFF/PLAY/REC Selector] , the [SETUP] screen is displayed if you touch [Menu Ctrl.] button to [MODE] direction. It means down direction.

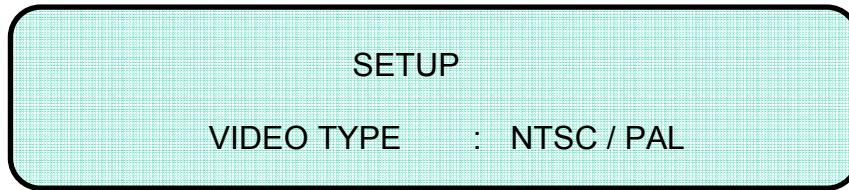
The SETUP menu is appeared as following screen and you can exit the SETUP screen by touching [Menu Ctrl.] button to [MODE] direction on [EXIT] position.



You can move to individual menu by touching [◀] & [▶] button and you can select each menu by touching [Menu Ctrl.] button to [MODE] direction.

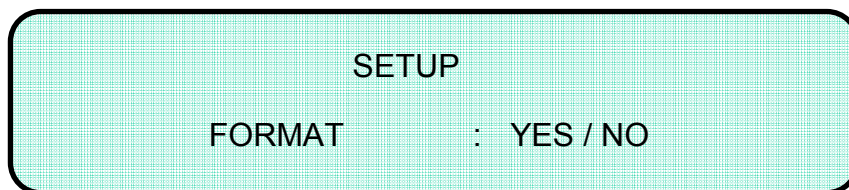
After you select a menu, you can change the default value by touching [◀] & [▶] button in sequence.

After the selection, you can exit from that menu touching [Menu Ctrl.] button to [MODE] direction.

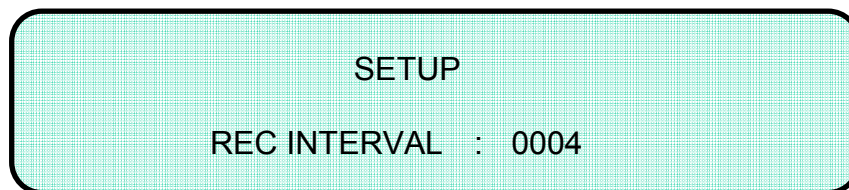


You can change NTSC or PAL camera by touching [◀] & [▶] button in sequence.

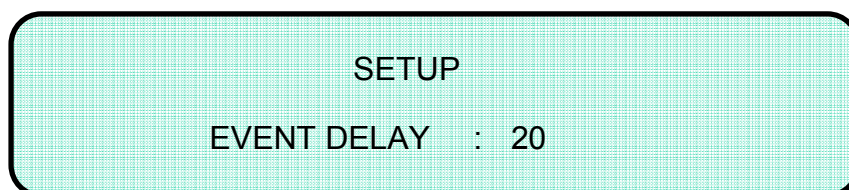
After you change the value, you can select it by touching [Menu Ctrl.] button to [MODE] direction.



This menu enable you to format SD memory card and you can select YES or NO by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.



You can set the time interval of storing picture when the motion or sensor is being detected. The max time interval is 99 seconds. You can increase or decrease the time interval value by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.

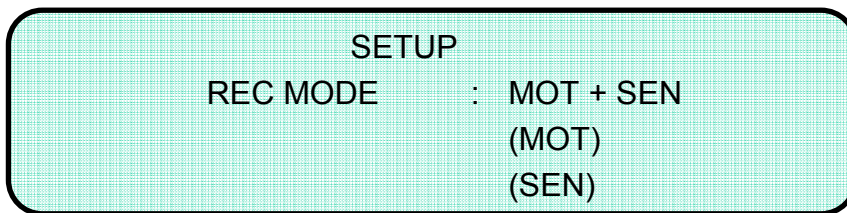


If the event of Motion and/or Sensor is detected, Snap Guard stores images once per every second for the designated period. Its maximum range is 20 seconds, so Snap Guard can store up to 20 pictures by detection an event of Motion and/or Sensor.

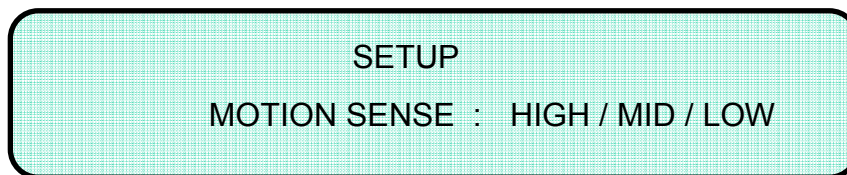
You can select the EVENT DELAY TIME by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.



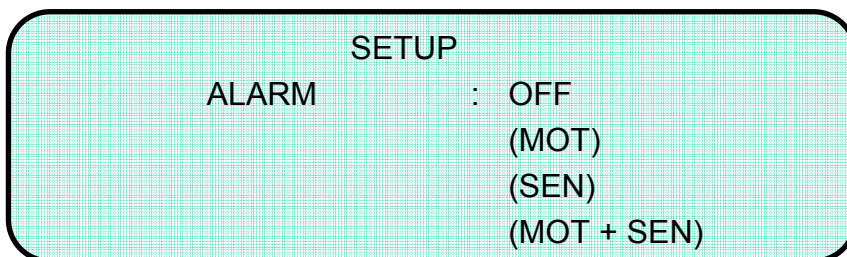
You can continuously store pictures for the duration of predefined hour. Of course, the picture is being stored by motion and/or sensor detection. You can select the REC TIME from 00 to 24. You can change the REC TIME by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.



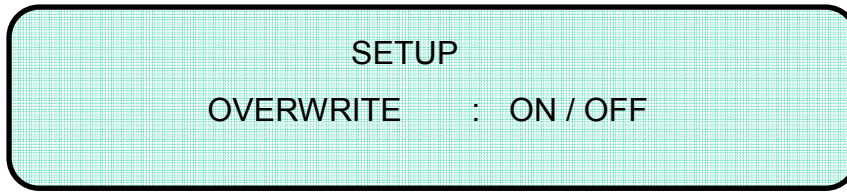
You can change the condition of recording pictures. The MOT + SEN means that the image recorded by motion and/or sensor detection. Each condition can be changed by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.



You can control the sensitivity level of Motion detection. The "HIGH" means means it can detect the changes of camera input images and the "LOW" detects big motion changes relatively. Each condition can be changed by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.

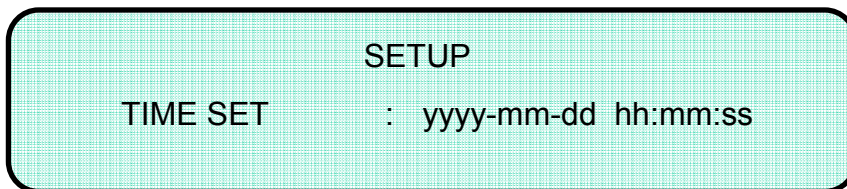


You can change ALARM condition with this menu and it has 4 conditions. Each condition can be chosen by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.



If you select ON, you can continuously record images after removing previously recorded images in sequence when the SD memory card becomes full.

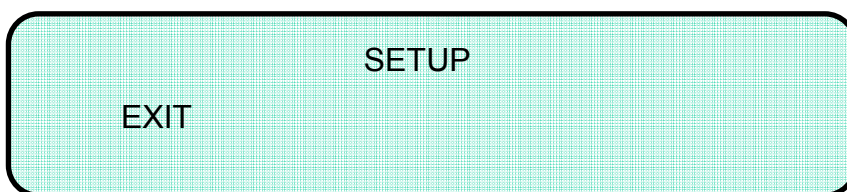
If you select OFF, Snap Guard stops recording images when the SD memory card becomes full and the recorded images are remained before you remove it or you select ON again.



You can set your regional date and time using this menu.

This date and time is being overlapped on stored picture and it means the picture is captured at that time.

The value of date & time can change by touching [◀] & [▶] button, then select it by touching [Menu Ctrl.] button to [MODE] direction.

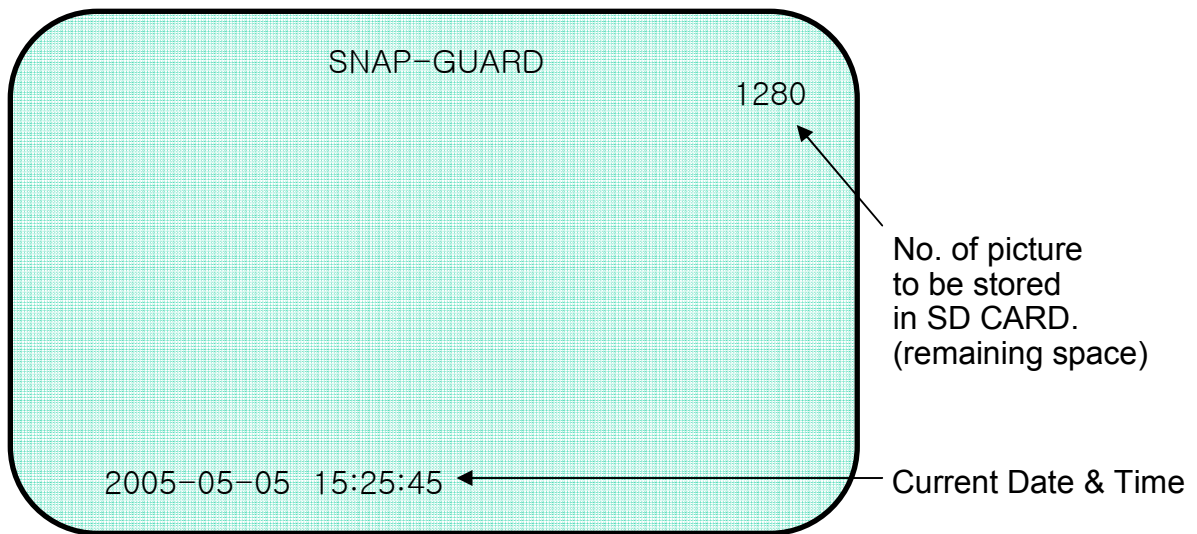


You can exit the SETUP menu by touching [Menu Ctrl.] button to [MODE] direction on [EXIT] position.

VIEW Screen

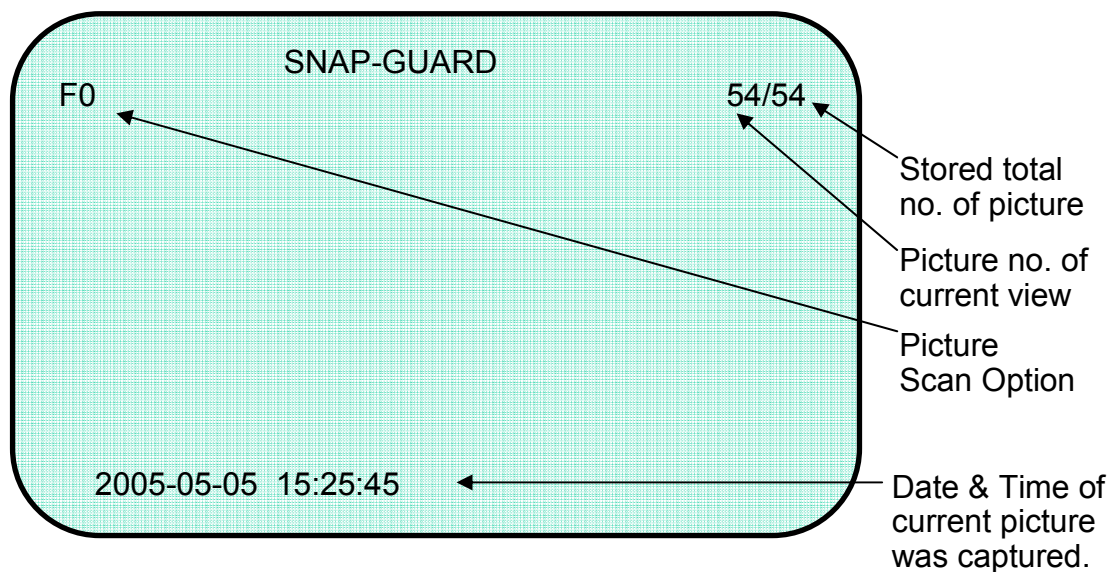
[Live Monitoring on TV] Mode

The key of [OFF/PLAY/REC Selector] is positioned at [PLAY], the default screen is “Live Monitoring on TV” mode. This mode means that the live camera images are being displayed on TV monitor in real-time and the images are not being stored in SD Card. The screen is displayed as following figure.



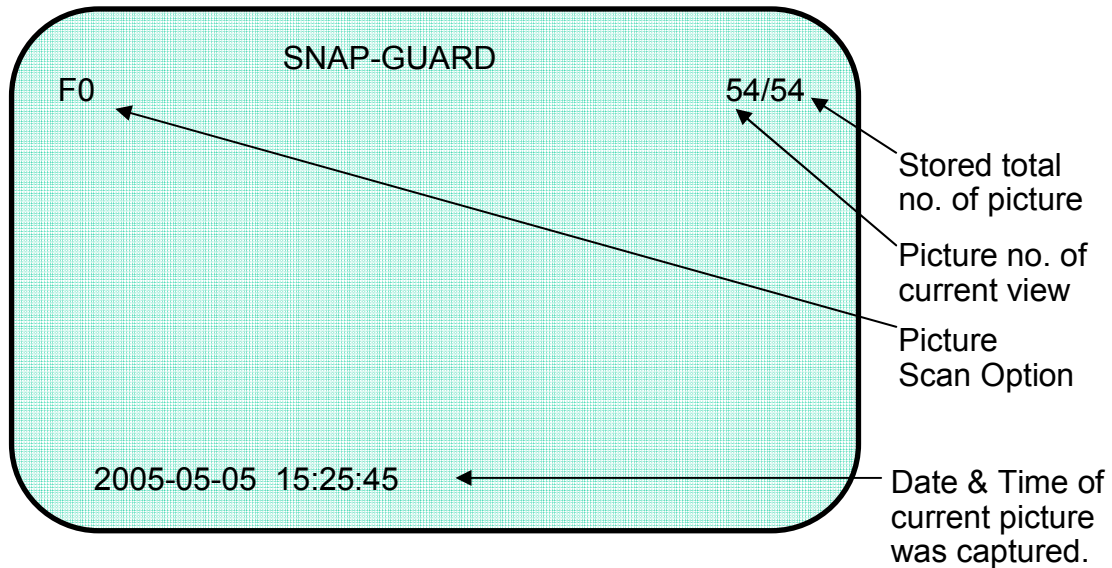
[VIEW] Mode

At this mode, you can see the stored pictures by touching [Menu Ctrl.] button to [VIEW] direction, then the lastly stored picture is display as following figure.



[VIEW] Mode Control

You can scan the stored pictures by several mode using [◀] & [▶], [Push] and touching [Menu Ctrl.] button to [MODE] direction.



① Manual Scan

You can scan stored image in descending and ascending sequence by touching [◀] & [▶] button.

During the stored picture scan, you can skip pictures whenever you touch the [◀] & [▶] button. Please see next page for more details.

② Automatic Scan

The stored pictures are being displayed in sequence by pushing the [Menu Ctrl.] button once. During the automatic scan, you can **pause** it by pushing [Menu Ctrl.] button again. Push it again, the automatic scan mode is being performed again.

In automatic scan mode, you can simply change the scan direction by touching [◀] & [▶] button. [◀] button displays the stored picture in backward sequence and [▶] button displays pictures forward sequence.

③ Scan Option

If many number of pictures are stored in SD card, it takes long time to scan the picture what you want to see. For easy scan, you can use picture skip function by touching [Menu Ctrl.] button to [MODE] direction.

- 1) F0 : Default Scan Option
This scan mode displays all pictures in sequence one by one.
- 2) F1 : Skip [Total Stored No. of Picture / 10] Option
This scan mode displays picture in sequence one by every [Total Stored No. of Picture / 10] pictures.
- 3) F2 : Skip [F1 / 10] Option
This scan mode displays picture in sequence one by every [F1/10] pictures.

* If the stored total no. of picture is lower than 100, its function has no meaning because of its value is lower than 1.

This scan option is effective in both of manual and automatic scan mode.

During the scan, you can change the scan mode by touching [Menu Ctrl.] button to [MODE] direction. It will be changed F0, F1 & F2 in sequence and its function will be performed automatically.

In manual scan mode, it skips the picture according to the set of scan option.

In Automatic scan mode, it automatically skips the picture according to the set of scan option.

Sensor-In & Alarm-Out Cabling

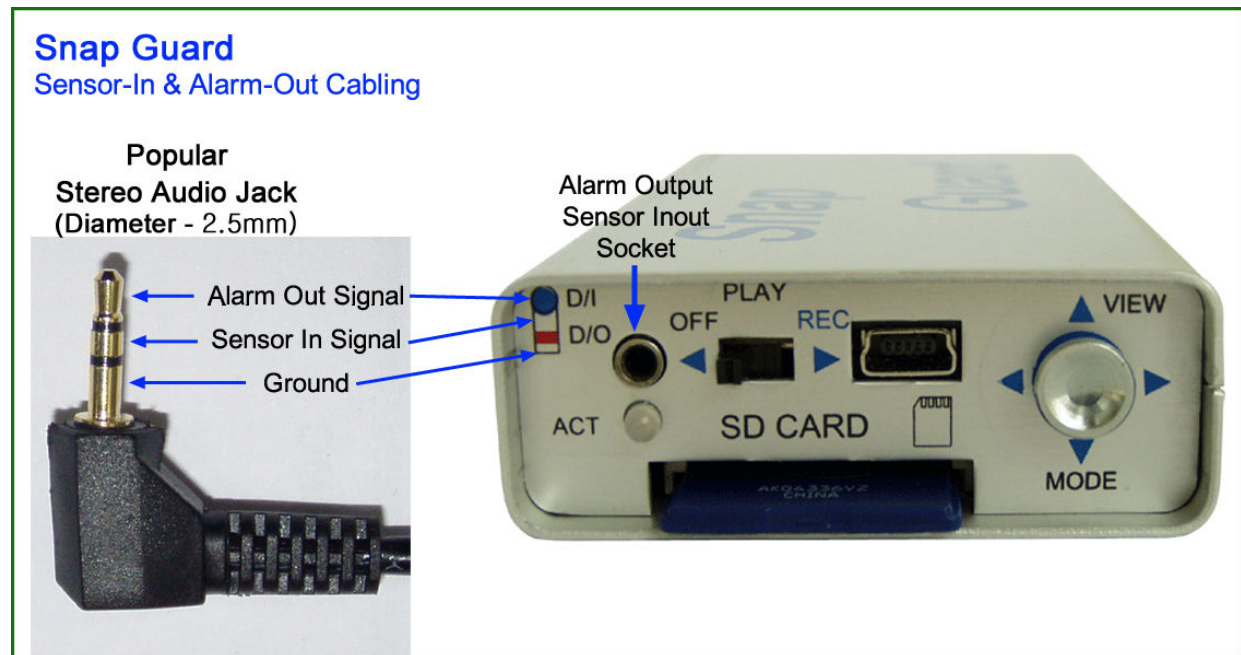
[Sensor-In]

You can connect the sensor using popular stereo audio jack.

The diameter of jack is 2.5mm.

The top of stereo audio jack is sensor signal line and the sensor is detected once the sensor signal line and ground line is being shorted.

If the shorted status is being continued the sensor is also being activated continuously and the picture is being stored continuously according to the time interval which is set by Snap Guard SETUP menu.



[Alarm-Out]

If you set the alarm-out option to "ON" in Snap Guard SETUP menu, the alarm switch will be "ON" when the Motion and/or Sensor is being detected.