User Manual

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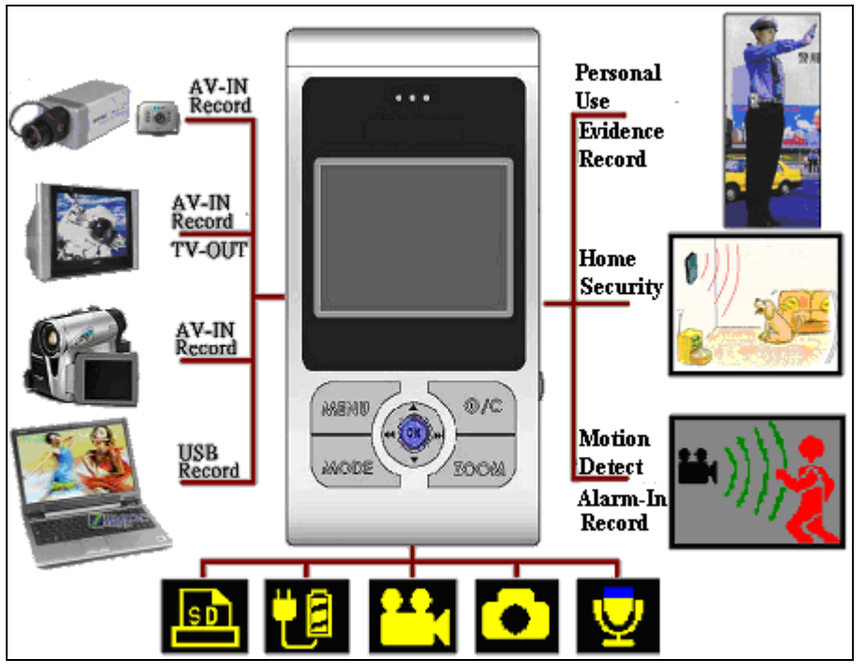
Features of Product

- Our product is a multi-functional security device. With compact size, it can be placed into cigarette cases, your pockets and other small boxes for perfect disguising.
- It looks like a mobile phone and contains video recording, audio recording, photographing , monitoring ; you can choose desired recording mode as motion detector or alarm-in.
- It also includes a NOKIA battery and an external badge camera. It is easy to carry and perfect for covering.

➢ Reminder: Please make sure the battery has been charged for more than 2hr before use.



Main Tool Kit

1> Main unit

2> Adapter (DC4.5V 1.0A)

3> Earphone

4> Battery

5> TV-OUT Cable

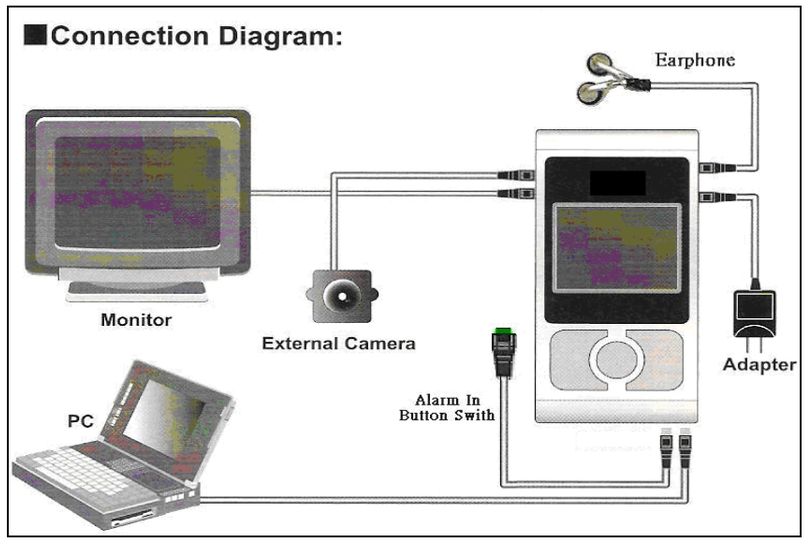
6> VIDEO-IN Cable

7> Alarm-in USB Cable.

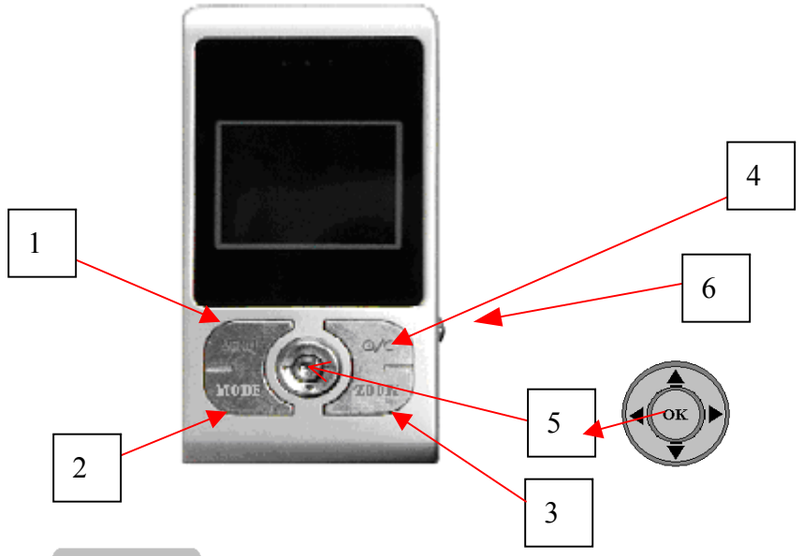
8> Badge Camera

9> Power Box

10> Leather



Buttons of control



1、 MENU：Select optional function

2、 MODE：Switch over various mode.

3、 ZOOM：Under the modes (video, playback, capture),can select the zoom-in/zoom-out function

4、 Power：Start /shut-down the machine.

5、 Direction Key：Press to desired directions.

6、 Shutter Button ：Press to start or stop (picturing , video recording ,audio recording)

◆ Knowing Your Product

1、 : Earphone

2、 POWER SUPPLY:be charged and support other source of power

3、 RESET: reset or shut down

4、 SD Card: extend memory

5、 BATTERY: use NOKIA battery (3.6V 900mAh)

6、 : connect USB cable to download data.

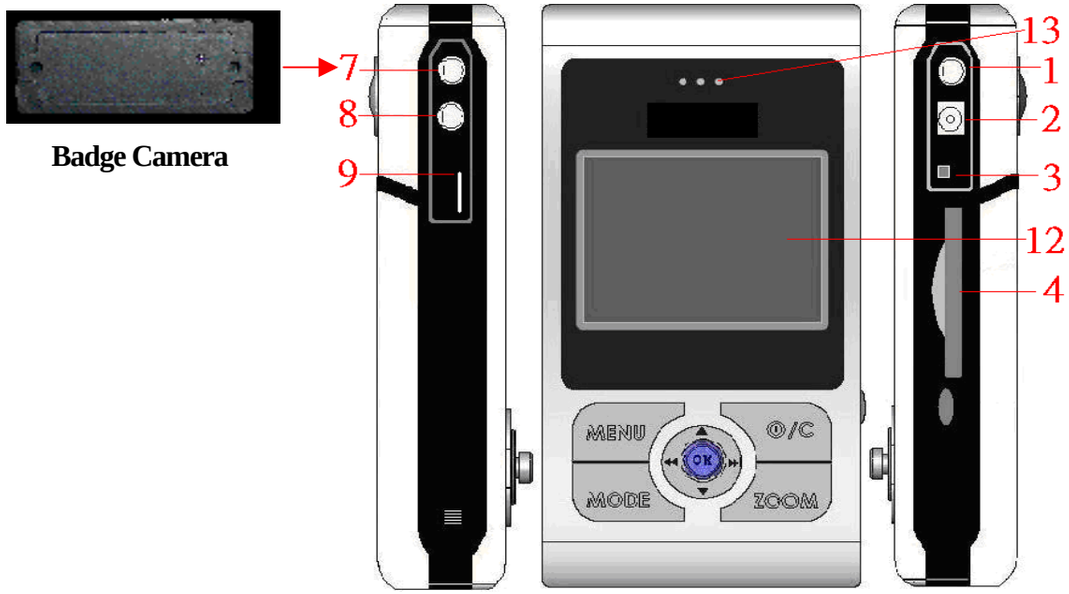
7、 A/ V IN: connect various external camera

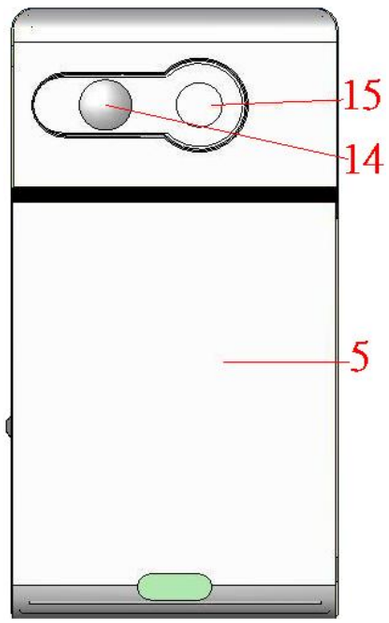
8、 VIDEO-OUT: transmit video to monitor

9、 I/O: connect sensor to IR alarm

10、Operating Indicator: general status(green light)，recording status(red light)

11、Eyelet of strap: safety for carry





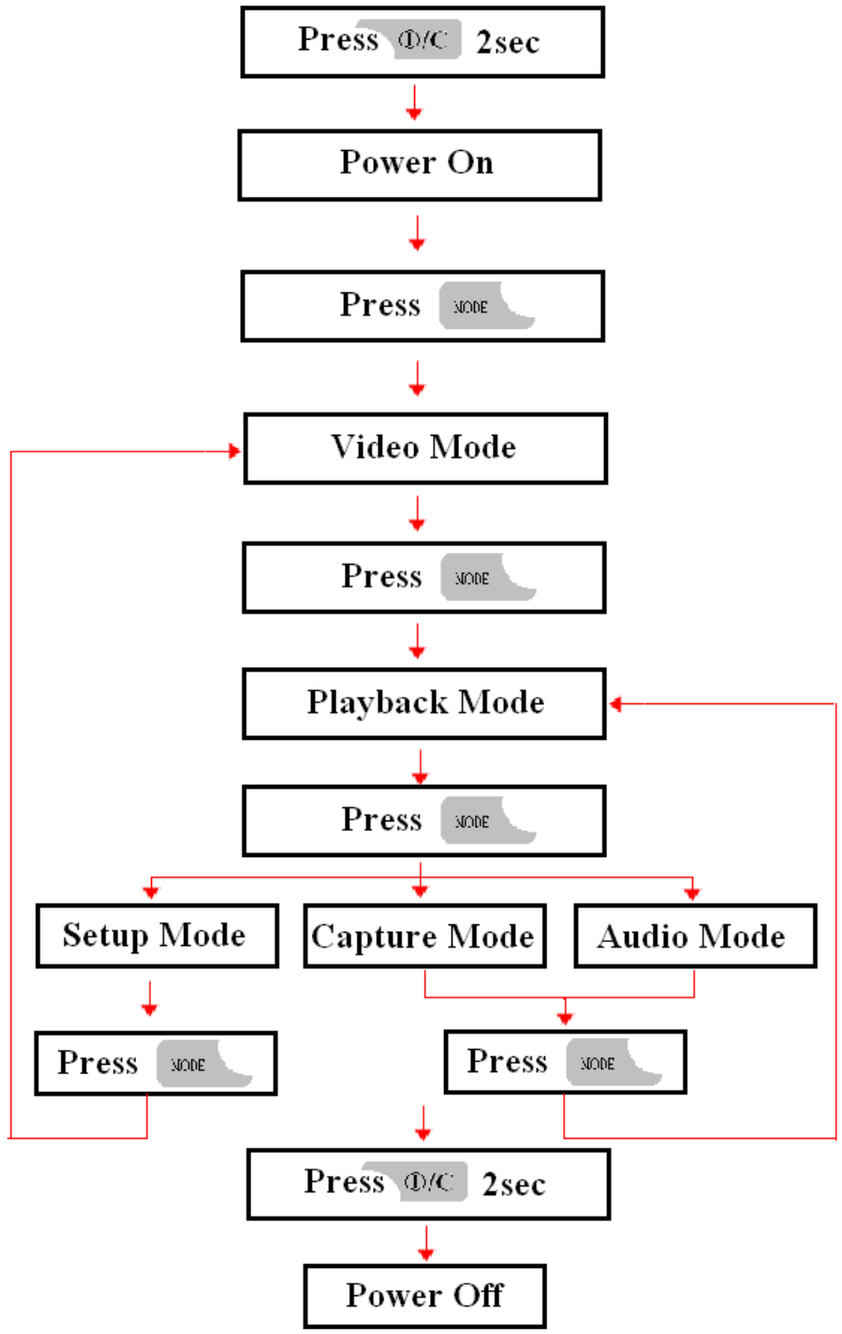
12、Monitor: TFT 1.5” color LCD

13、Front Speakers:sound effects

14、Lens barrier: protect the lens

15、Camera: 1.3Mega CMOS optical sensor

◆ Basic Operation



1、set “Lock” in different situations:

* Press OK 2 sec and lock the picture “🔒” 。

* Press MENU and ZOOM unlock picture at the same time. 。

2,、 On Capture mode:

(1)、OK Push once upward: Clear all figures on the screen

(2)、OK Push twice upward: Close screen to save power.

(3)、OK Push three times upward: Return to capture mode.

3、Different modes switch

Under main mode (Setup mode)

Press MODE once: Video Mode.

Press MODE twice: Playback Mode.

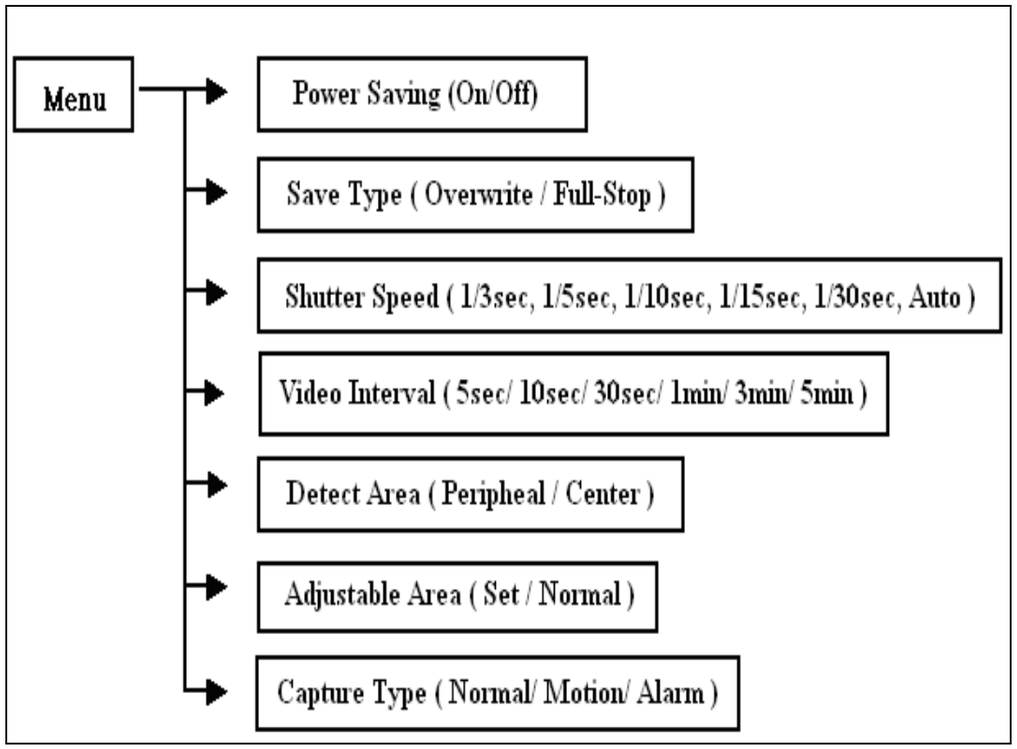
Press MODE three times: Return to the main mode(Setup mode).

Operation instructions

- VIDEO MODE
- PLAY BACK MODE
- SETUP MODE
- CAPTURE MODE
- SOUND MODE
- USAGE EXAMPLE

◆ VIDEO MODE

Press MODE twice in the main display: You can start/stop the video recording by pressing the shutter button. Or press MENU to exit and press MODE to another way.



(1)、Power Saving：(ON／OFF) It'll turn off the LCD 6sec later on recording and press any button to turn on the LCD.

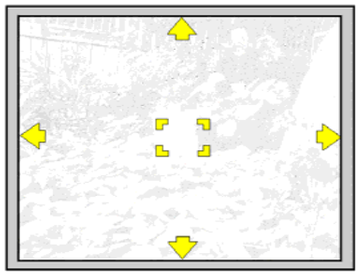
(2)、Save Type: FULL STOP／OVERWRITE select by OK.

(3)、Shutter Speed : (Auto,1/3 sec,1/5 sec,1/10 sec,1/15sec,1/30 sec) select by OK.

(4)、Video Interval : (5 sec / 10 sec / 30 sec / 1 min / 3 min / 5 min.) select by OK.

(5)、Detect Area : →Peripheal →Center

(6)、Adjustable Area：(Set／Normal) select by OK.

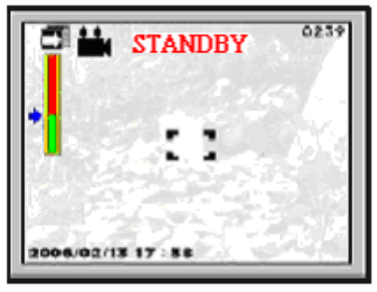


◎Set→ You can use joystick to adjust your desired area and then press OK.

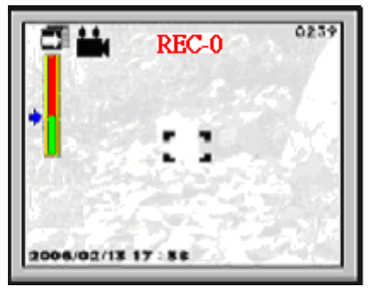
◎Normal→ Set it on center area.

(7)、Capture Type: Normal / Motion / Alarm

◎ Normal: When it on recording status ,the operate indicator will present red lights.



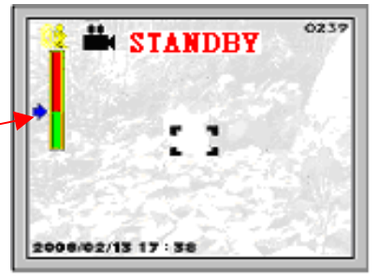
Prepare to record →



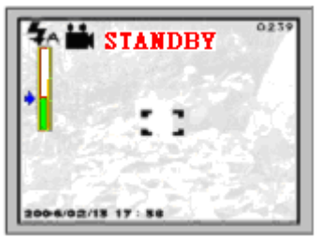
On recording

◎ Motion: You can use jotstick to adjust the sensitivity(Left: minus; Right: plus).

(Adjust Sensitivity)



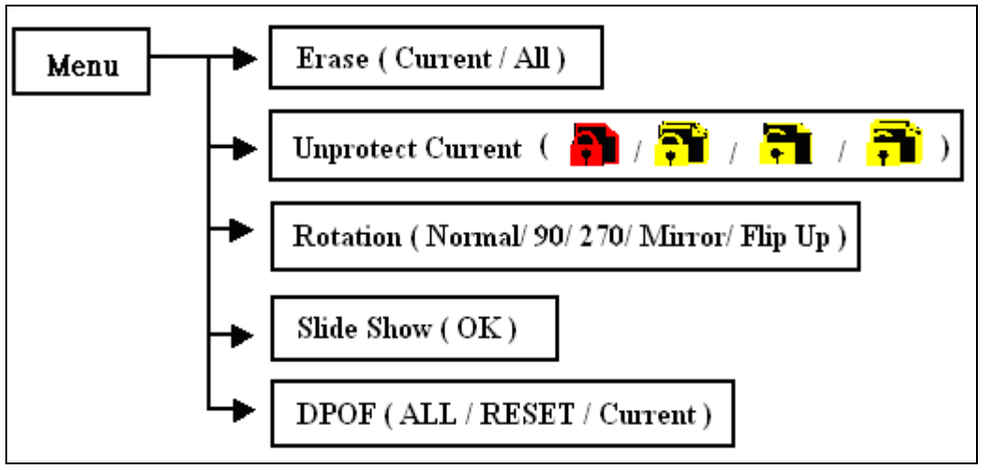
◎ Alarm A: Press the shutter button to STANDBY and press the alarm-button to record.



※It only can act with external alarm-system on this mode

◆ PLAYBACK MODE

Press MODE three times in the main display : You can press MENU to PLAYBACK set-up and press MENU to exit.



●In PLAYBACK MODE： When it is video or sound in PLAYBACK

mode, you can press (OK-button) to playback set-up mode.

◎ You can use joystick to select your desired function and press (OK-button) to execute.

◎ After playing, you can select to exit PLAYBACK MODE。

●When it on the screen of graphics , you can press MENU to select following items:

(1)、Slide Show：Press OK to play back。

(2)、DPOF：Current／All ／Reset。(※It can only use on Capture Mode)

(3)、Erase：Current／All。

(4)、Unprotect Current： ／ ／ ／ 。

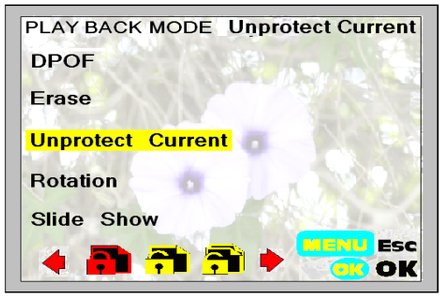
: Current Locked

: All Locked

:Current Unlocked

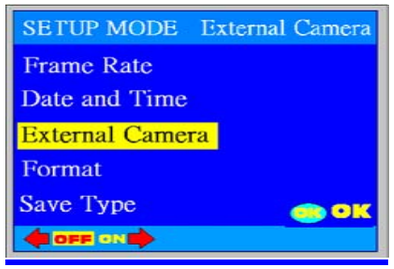
:All Unlocked

(5)、Rotation:：Select (Normal／90／270／Mirror ／Flip Up) to rotate the picture 。

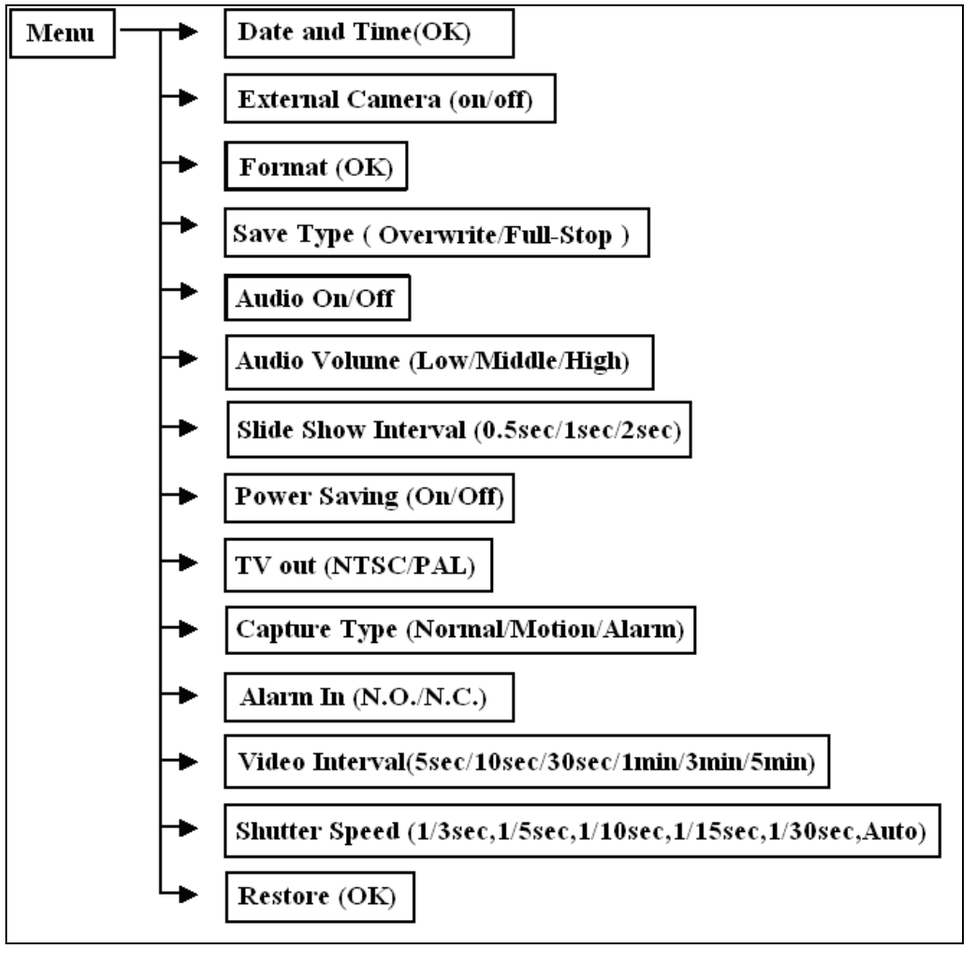


※It can only use on Capture Mode

◆ SETUP MODE



You can set up modes your need. Just press OK key to select and setup your product individually。



1、Date and Time:

Press up/down of joystick to adjust and right/left to next item.

Press to finish setup (OK).

2、External Camera : Select and confirm OFF／ON by .(The screen will display nothing because of selecting “ON” without connecting external camera.)

3、Format : Delete all data by pressing to format memory of built-in or SD card..(Please select carefully)

4、Save Type: Select FULL STOP／OVERWRITE by .

5、Audio On/Off : On／Off Select by .

6、Audio Volume：Low／Middle／High Select by

7、Slide Show Interval：0.5／1／2 sec Select by

8、Power Saving：ON／OFF Select by

9、TV out：NTSC / PAL Select by

10、Capture Type: Normal/Motion/Alarm select by

11、Alarm In : N.O./N.C。(Normal Open or Normal Close) select by

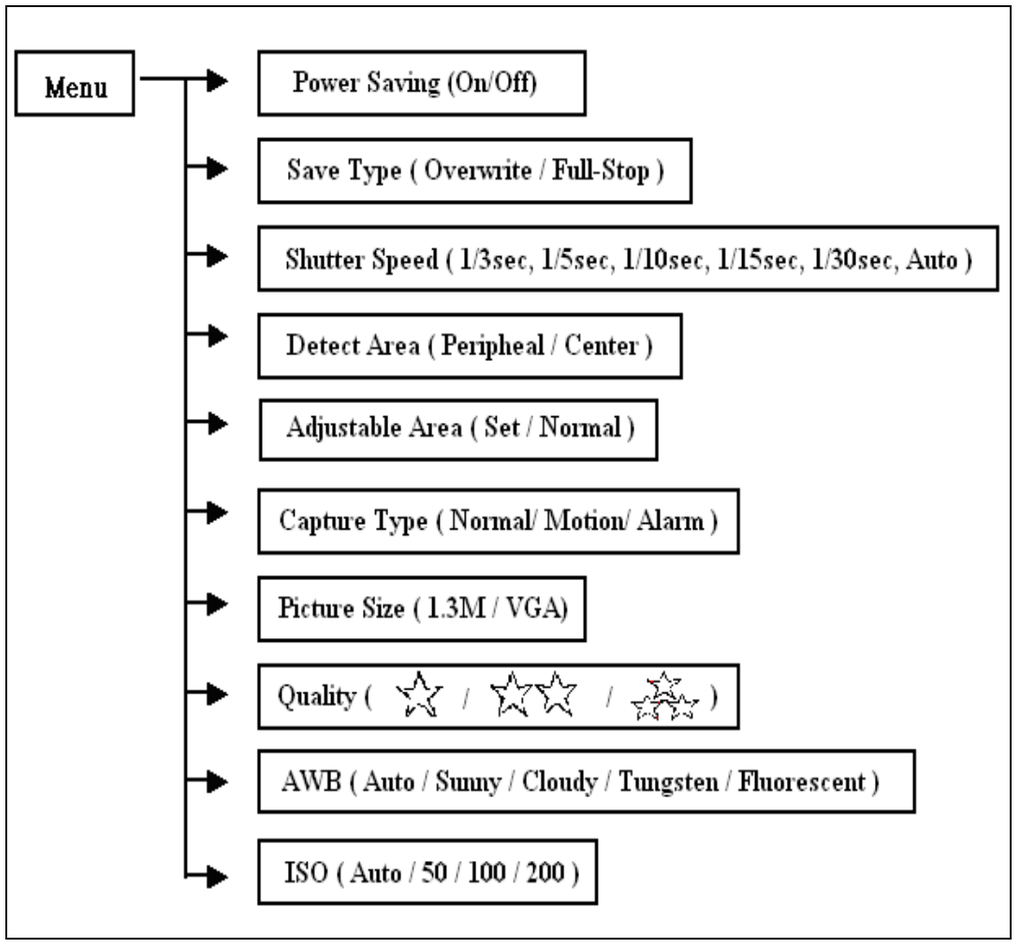
12、Video Interval : (5 sec / 10 sec / 30 sec / 1 min / 3 min / 5 min.) select by

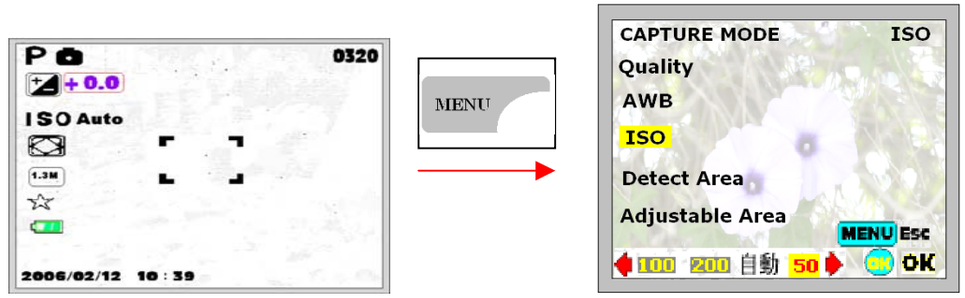
13、Shutter Speed :(Auto,1/3 sec,1/5 sec,1/10 sec,1/15sec,1/30 sec) select by

14、Restore : Restore all setup by

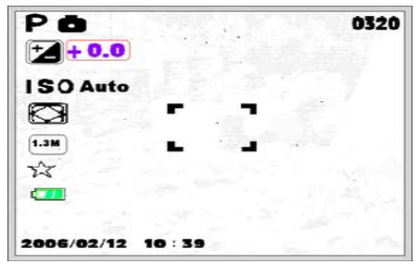
◆ CAPTURE MODE

Press MODE in the main display : In Capture Mode,you can take a picture while pressing the shutter button. Press MENU to switch over the state of taking a picture and takes a picture in Capture Mode or press MODE to return to playback .





(1)、Capture Type：P／ A



(1) Normal (P)
Manual picturing and recording.

(2) Motion( )
Record and picture the moving target.

(3) Alarm (A)。
Record, picture and start external alarm system when the target is moving.

(2)、Save Type: Select FULL STOP／OVERWRITE .

(3)、Shutter Speed : Auto,1/3 sec,1/5 sec,1/10 sec,1/15sec,1/30 sec

(4)、Power Saving：ON／OFF

(5)、Picture Size：1.3M／VGA

(6)、Quality : ／／

(7)、AWB : ／／／／Auto

(8)、ISO：50／100／200／Auto

(9)、Detect Area : ／

(10)、Adjustable Area：Set／Normal

◆ SOUND MODE

Select SOUND MODE by press and press shutter button to start/stop to record.

◎ On recording→ The screen will show and recording time remained.

Ready for record

On recording

◎ Playback: After recording, press the shutter button to stop and press MODE to select the file you want. Start to playback by press and select to exit.

◆ USAGE EXAMPLE

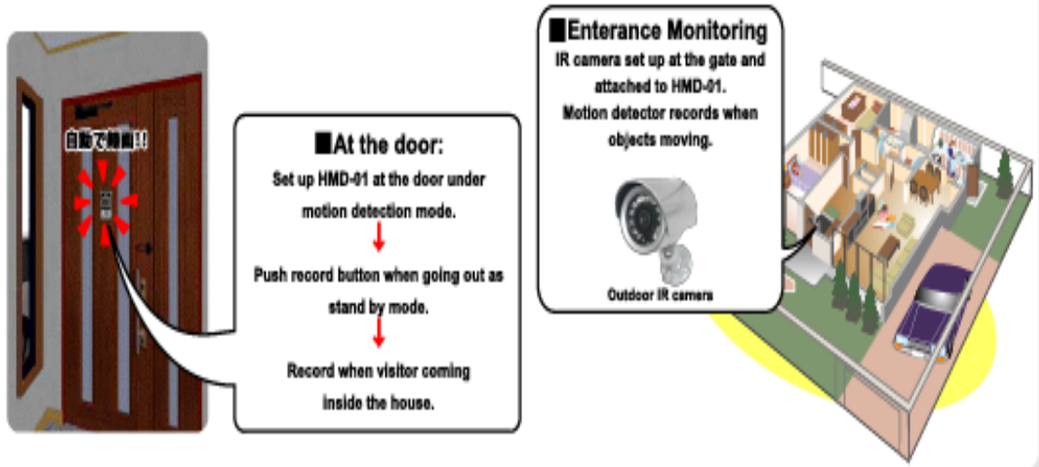
For Various Security

Usage:(Example)Security Company

■Effective for recording every detail events in danger and provide image data of suspects and environments.
■Provide video data for securities' daily reports. Customers can be informed at the same time when alarm triggerd.
■Recording when vaults are opened or rubbed.

Usage:(Example)Home Security

■Effective as a friendly home security system.
■Record every visitor of the house at the gate. Easily set up without any construction.



Usage:(Example)Other different usages

■Business Record
Record any important business meeting, content, conversation.

■Room security
Record any important office or room activity or visitor.

■For evidence
Take pictures for some situations and important evidence.

■For Prank Evidence
Take pictures of customer in the car with zoom camera and HMD-01 together.

Watcher monitoring:

Use optional external camera to monitor the watcher and record as evidence to solve the nursing problems of abusing and hurting children and the aged.

To Avoid the stalker:

Carry it all the time to protect yourself and avoid follower or stalker when you go out.

Car prank:

To find out what the mischief-maker does to your car, it helps to record and collect evidence.

Immediate print out for image of evidence:

Once the evidence needs to be presented, pictures and image can be saved and immediately printed via SD card or USB cable transmitting directly to PC or printer. Easy to save, easy to print.

Care & Maintenance

- ✧ When shutdown of display or button lose efficiency ,do not open our product with non-professional treatment. It might cause to damage the product,please operate with the following instructions.

  1、press the RESET button to restart.

  2、pull out the power supply line, restart and use again.

- ✧ Please don't press various types of button to make the mistake carried out at the same time and even cause the system halted.
- ✧ Please avoid falling or colliding.
- ✧ Please keep your product dry! Rain ,moisture and liquid contain minerals that may corrode your product. After shut-down ,please clean the moisture content at once, and then you can restart the machine to use.
- ✧ Please keep your product away from flame and keep it at 0℃(32°F)-~45℃(113°F).
- ✧ Please contact us if your product is still out of order, we will provide the best servce to you. Do not dismantle the product yourself, it will cause the invalidation of warranty!
- ✧ We warranty your product to be FREE for one year from the date you purchase.

Specification

Model No.	HMD-1 Image Pick-up
Device	1/3” 1.3million CMOS Sensor
Lens	Opposite angle 60° /F.No 2.8
Compression Format	MPEG4
LCD Monitor	1.5”LCD
Video Input	1 Input
Internal Memory	128MB
External Memory Device	SD Card
Video Output	1 Output / 1.0vp-p 70Ω
Audio Output	1 Output / Speaker included
Video Format	NTSC / PAL
Video Size	640x480(VGA) / 320x240(QVGA)
Recording Mode	Full-stop/Motion/Alarm/Overwrite
Motion Area	Center, Peripheral
Motion Sensitivity	Adjustable
Alarm Input	1 Input/N.O,N.C optional
Electric Shutter	1sec.~1/30,000sec. /Auto
Focus Range	50cm-00
Exposure Compensation	-2~+2EV
ISO	Auto,50,100,200
AWB	Auto,Sunny,Cloudy,Tungsten,Fluorscent
Transmitting	USB 2.0
Power	3.7V/1000mA Battery,DC5V/1A Adapter
Power Consumption	370mA max.
Dimension/Weight	21(T)x45(W)x90(L) /N.W:127g,G.W:155g
Badge Camera	1/3”CMOS,2Lux/F2.0,Board Lens