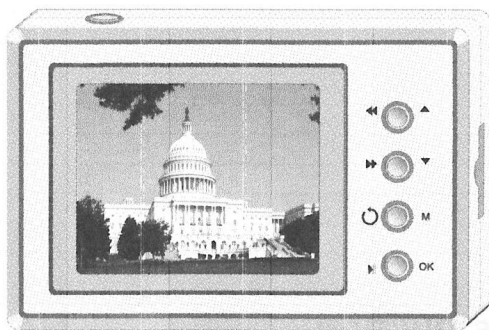


POCKET DVR

2.5"TFT Pocket Digital Video Recorder

Operation Manual



This instruction apply to model: V5 , please read carefully before use!



INSTRUCTION BEFORE USE

Attention issues.....	02
Function summary.....	02
Applicable scope.....	02
Packing list.....	03
Technical parameter.....	04
Interface explanation.....	05
Connecting diagram.....	06
SD Card operation instruction.....	07
Battery installation.....	07

FUNCTION SETTINGS

Menu instruction	08
Playback	08
Date/Time	08
ID Code	09
Resolution	09
Language	09
LED Off.....	10
Memory.....	10
Alarm	10
OSD	11
TV Standard.....	11
Format.....	11
Saving Method.....	12

OPERATION INSTRUCTION

Power on/off.....	12
Recording	12
Stop recording.....	12
Playback	12

FAQ.....	13
----------	----

TECHNIQUE UPGRADE.....	14
------------------------	----

USER RECORDS	15~18
--------------------	-------

QUALITY GUARANTY	Back cover
------------------------	------------

Attention issues

1. Connect the accessories before power on;
2. Cut off power when insert or pull out SD card in order not to shatter machine;
3. Cut off power when insert or pull out a camera in order not to shatter machine;
4. Do not touch its metal part, because physical electrostatic can make the SD card ruined permanently;
5. Please use special AC/DC adaptor and battery;
6. Please keep water and any liquid away from the machine, in order not to cause short circuit;
7. Please don't press buttons simultaneously and operate illegally, or it won't work.

Function introduction

This DVR is a new generation of high-performance Mini DVR which adopts MP4/AVI compress technique. The video resolution reaches 640*480 at 30 FPS. This is a Real-time, High-definition, Low-consumption and simple-operation professional Mini DVR, it is compatible with any CCD/CMOS cameras, besides, its battery is the same as NOKIA BL6C battery. It supports maximum 32GB SD card, and stores video/pictures into SD card directly, the user can playback on TV, Monitor and Mobile or read/save the data by/into computer by SD card reader.

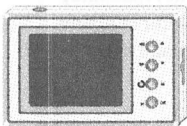
1. Immediately getting into "preview (ready to record)" work state once power on;
2. Can start/stop/playback images by one related key;
3. Support maximum 32GB SD card can record 24 hours without any stops.
4. Memory tenet is "first in first out", automatically overwrite, never stop recording;
5. The video clips stored in SD card will not lose when power off;
6. The date/time stamp can be shown in video clips;
7. Can connect with various cameras (CCD/CMOS);
8. Adopt NOKIA 6 C lithium-battery;
9. Can power DC5V to the camera directly ;
10. Can transmit the video clips to computer directly by USB cable;
11. Support the TV system signal: NTSC/PAL;
12. Display can be switched automatically between TFT and external Monitor/TV;
13. With handy menu, no software installation required;
14. Parameter indicators of battery, SD Card and alarm on TFT LCD.
15. Easy-carry with its cute size.

Applicable scope

This DVR is a high performance, professional pocket DVR. It can be popularly used for policeman, bodyguard, journalist, urban management officer, driver, conductor etc. It can be widely used in house, company, mall, warehouse, school, office building and government,etc.

PACKING LIST

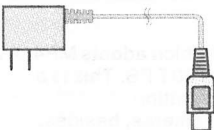
1、 One mainframe;



7、 One AVP combined wire (for camera)



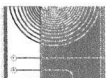
2、 One special DC5V adaptor;



8、 One USB cable;



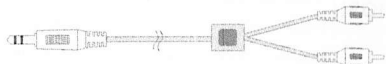
3、 One special 3.7V Lithium-battery;



9、 One small leather bag;



4、 One AV output wire;



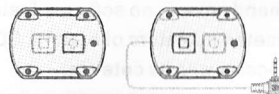
10、 One manual;



*5、 One big leather bag



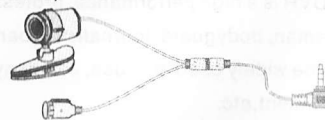
*11、 Wired controller



*6、 Special DC5V car power



*12、 Special camera

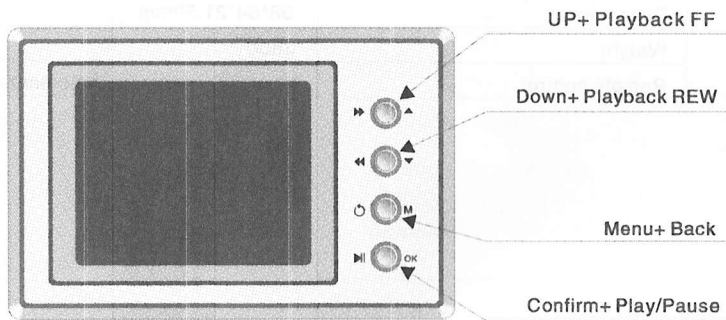
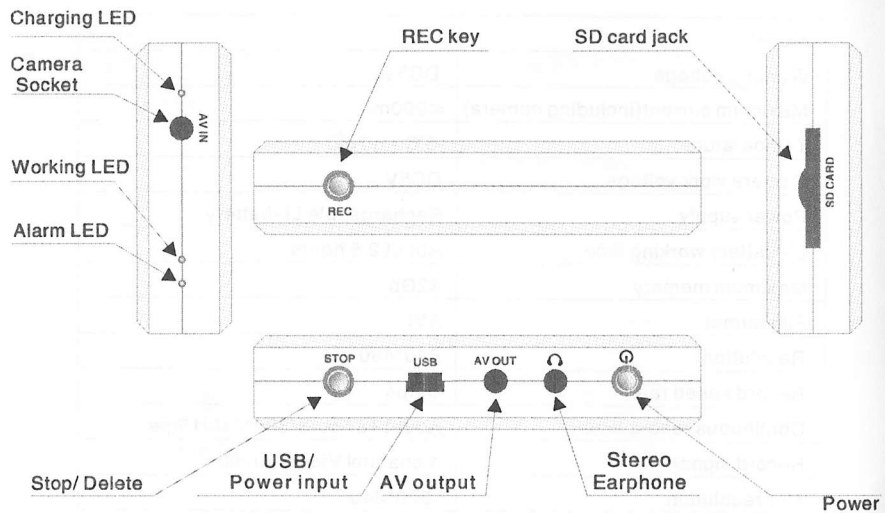


Note: The items with icon "*" are optional accessories, prevail in kind.

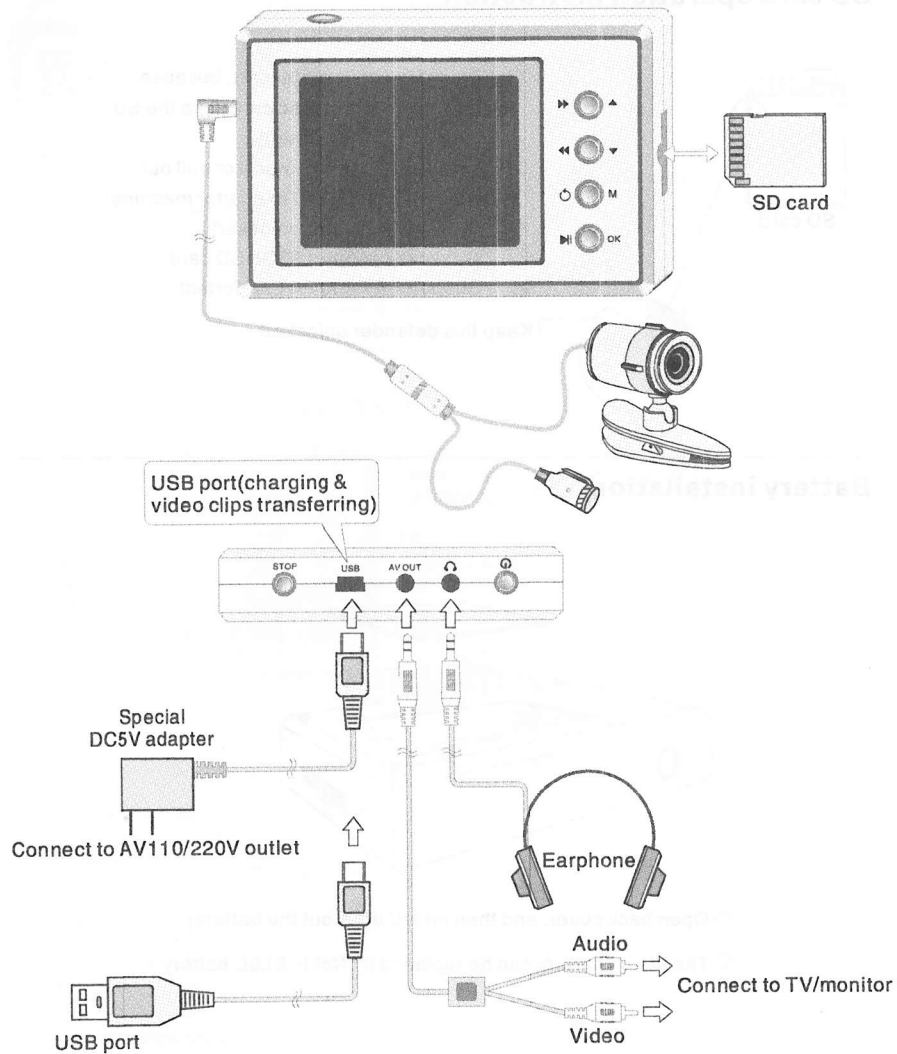
TECHNICAL PARAMETER

Model	V5
Working voltage	DC5V
Maximum current(including camera)	≤200mA
Temperature	-5℃ ~ +70℃
Camera work voltage	DC5V
Power supply	Rechargeable Li-battery
Li-battery working time	About 2.5 hours
Maximum memory	32Gb
File format	AVI
Resolution	640*480
Record speed rate	30fps
Continuous record time	About 48 hours/320*240/15fps
Record signal	1 channel Video+Audio
TFT resolution	320*240
USB	USB2.0
Compatible camera	Common CMOS & CCD
Dimension	98*64*21.50mm
Weight	380g
Remote control	80mm wired remote (selectable)

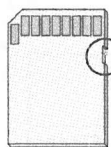
INTERFACE EXPLANATION



CONNECTING DIAGRAM

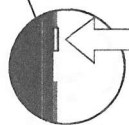


SD card operation instruction



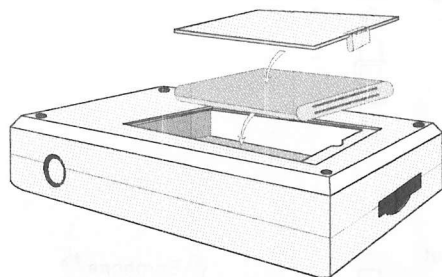
SD card

- Do not touch its metal part, because physical electrostatic can make the SD card ruined permanently;
- Cut off power when insert or pull out SD card in order not to shatter machine;
- Keep the defender unlocked
- Maximally support 32Gb SD card
- Support FAT and FAT32 format.



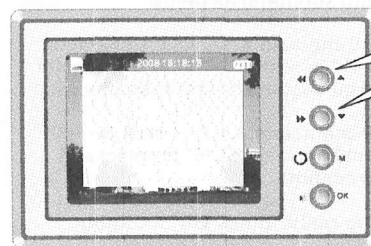
Keep this defender unlocked

Battery installation



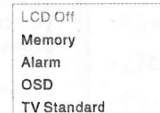
- Open back cover, and then insert/ draw out the battery;
- The Li-ion battery can be replaced by Nokia BL6C battery.

Menu Instruction

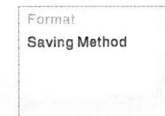


The first page

Press "▲, ▼" to select menu or get to next page



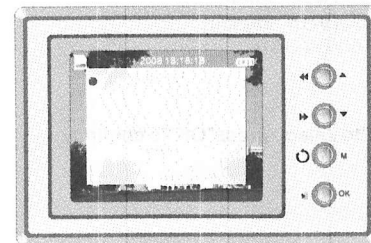
The second page



The third page

Press "M" after power on, it enters into main menu as the above diagram.

Playback---Select"Playback", press"OK" to enter into submenu as below:

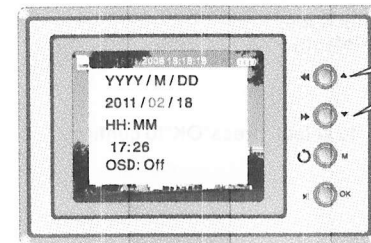


Select:
look through or select clips in memory by pressing "▲, ▼", then press "OK" to playback.

All:
Machine will automatically playback all image in memory.

Last:
Only playback the latest image.

Date/Time---Select"Date/Time", press"OK" to enter into submenu as below:

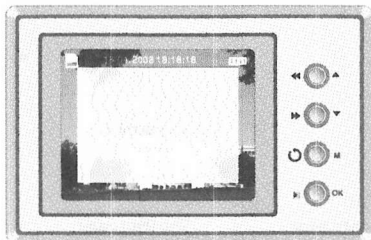


Press "▲, ▼" to edit digits

Press "▲, ▼" to change date/time, then press "OK" to confirm.

Note: the selected "item" style will become red.

ID Code---Select "ID Code", press "OK" to enter into submenu as below:

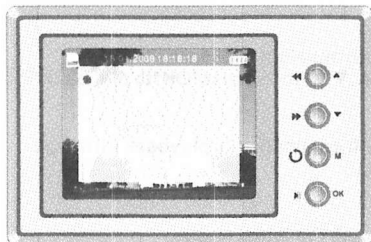


ID consist of 8 characters, select the character then press "OK" to confirm, after all 6 character selected, the cursor back to first character which will be in red.

There are 36 characters: 0, 1, 2.....9; A, B.....Z you can select from, use "5", "6" to select and press "OK" to confirm.

Press "▲, ▼" to select, press "OK" to confirm.

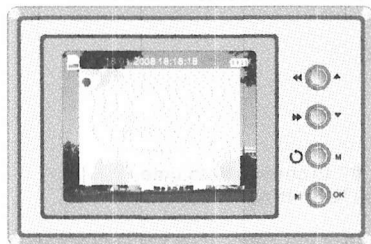
Resolution ---Select "Resolution", press "OK" to enter into submenu as below:



Optional Image Resolution:
640*480(VGA, default)
320*240(QVGA).

Press "▲, ▼" to select, press "OK" to confirm.

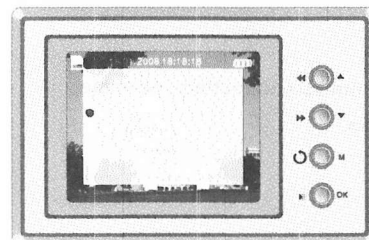
Language---Select "Language", press "OK" to enter into submenu as below:



Optional languages:
English (default)
中文

Press "▲, ▼" to select, press "OK" to confirm.

LCD Off---Select "LCD Off", press "OK" to enter into submenu as below:



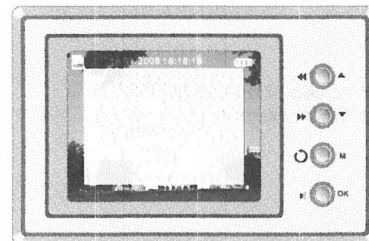
To save power, the LCD will shut down automatically.

There are four options to save power:

Off: cancel the function of LCD Auto-Off
10 Second: LCD Auto-Off in 10 seconds
30 Second: LCD Auto-Off in 30 seconds
60 Second: LCD Auto-Off in 60 seconds
Press any button to restart LCD.

Press "▲, ▼" to select, press "OK" to confirm.

Memory---Select "Memory", press "OK" to enter into submenu as below:

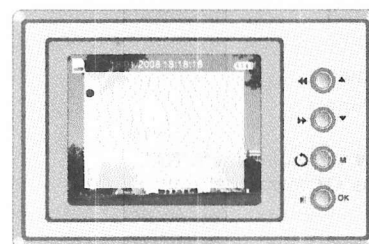


The memory management includes:

Free: 998MB
Update firmware

Version
Version 0.1.4 E

Alarm---Select "Alarm", press "OK" to enter into submenu as below:



Optional alarm methods on low power:

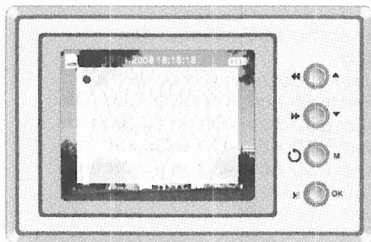
LED alarm:
DVR LED will glint when in low power.
It is suitably used in quiet place.

Sound alarm:
DVR will buzz when in low power.

Both:
DVR will give out both LED flicking&buzzer to remind user.

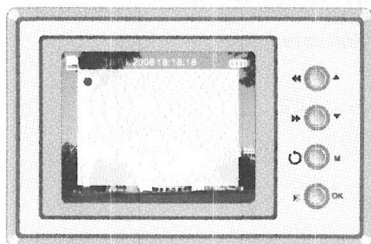


OSD---Select"OSD", press"OK" to enter into submenu as below:



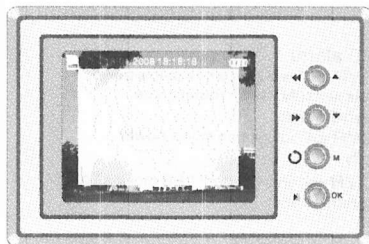
- Off:**Hide the SD card/battery parameter on screen.
- On:**Display the SD card/battery parameter on screen.

TV Standard---Select"TV Standard",press"OK" to enter into submenu as below:



Press"▲,▼"to select "PAL" & "NTSC", then press"OK"to confirm.

Format---Select"Format", press"OK" to enter into submenu as below:

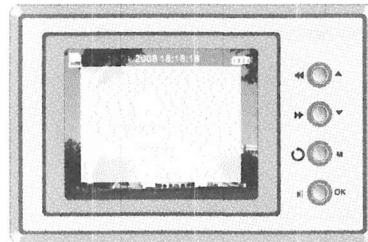


- Yes:format
No:not format

Press"▲,▼"to select "Yes" & "No", then press"OK"to confirm.



Saving Method---Select"Saving Method",press"OK" to enter into submenu as below:



- Optional memory saving methods:
- Stop when full
 - DVR will stop recording when the SD card is full.
 - Round Robin(Default)
 - DVR keeps recording by covering the oldest image.

Press"▲,▼"to select, press"OK"to confirm.

OPERATION INSTRUCTION

Power On/Off

Press POWER to operate it.

Start Recording

Press "REC" under preview state, then "REC" shows in screen.

Stop Recording

Press "STOP" under recording state, then "REC" disappears in screen.

Playback

Press "OK" to start playback under preview state, it will work as setup mode.

1. **Fast forward:** Press "▶▶" it will work fast forward.
2. **Rewind:** Press "◀◀" it will work rewind.
3. **Pause:** Press "OK" when playback, it will stop; press "OK" again, it will continue playback.
4. **Select:** check the LCD after setting "Select"playback, press "▲" & "▼"to select needed images, then press "OK" to start playback.
5. **Stop:** press "STOP" then it stops playback.
6. **Delete:** Press "STOP" when stopping playback, then image deleted.

Software upgrade: under revising.

Q1: Crash

Solution: Dismantle battery and cut off power, then restart.

Q2: No Image

Solution: Check the camera connection.

Note: connect/pull out the camera after power off.

Q3: Couldn't switch on

Solution: Check the power connection & power capacity of battery.

Q4: No sound

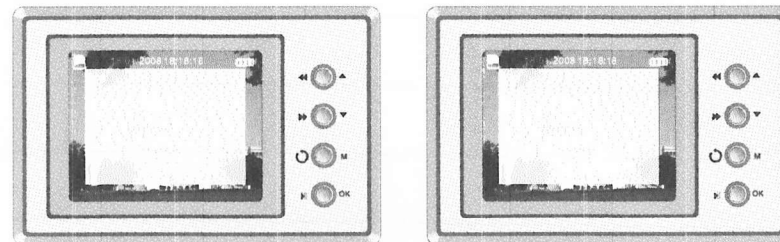
Solution: Check the earphone connection.

Q5: Other malfunction

Solution: Ask local franchiser for solution.

Note: Don't dismantle/install the equipment, or getting no guarantee.

Technique Upgrade---Select"Memory", press"OK"to enter into submenu as below:



Press"▲,▼"to select"Update Firmware", then select "Yes",updating starts automatically.

Upgrade Attention:

- Preparation: one 512Mb SD card, one full-charged Li-battery.
- Download the latest version software(V5DVR.ELF).
- Copy the new version software into SD card
- Insert the SD card into DVR then switch on
- Enter into Menu---Memory---Update Firmware---Yes,then updating starts.
- It takes about 1min to complete upgrade,then the DVR will shut down automatically
- When the software is upgrading, all files in memory will be deleted, please back up before upgrading.
- Screen displays"Update Fail",if upgrade fails.If you couldn't return main menu by pressing"M",you need to switch off,then turn on.
- Warning:Don't cut off power during upgrading,or it cause data lost,upgrade fail and DVR shut down,then it needs to be repaired.

Warning:Your V5 is our latest version,upgrade is not allowed, or V5 system file be damaged and V5 will not work forever.



QUALITY GUARANTY

ITEM:	MODEL:	ITEM No.:
DATE OF PURCHASE : YEAR		MONTH DAY
CLIENT NAME:		
CONTACT ADDRESS:		
CONTACT TEL:		

IMPORTANT NOTE

1. Please fill out the card strictly according to the facts;
2. The Guarantee Card must be sealed by our franchisers, or it will be invalid;
3. In case the product break down within warranty of 1 year, our factory will help repair it free of charge;
4. Warranty does not apply under following circumstances:
 - (1). Product out of warranty;
 - (2). Damages due to misuse and unauthorized modification of hardware;
 - (3). Using in damp, high/low-temperature or any other severe environments ;
 - (4). Any malfunction or damage which are not caused by our factory.
5. Please keep the guarantee card properly. We have the right not to provide warranty if the guarantee card is lost.