

USER'S MANUAL



Mobile DVR (3.5" Touch Screen)

Accessories



Main Unit



Remote Control



AV Cable



For camera



Battery



USB Cable



Adapter

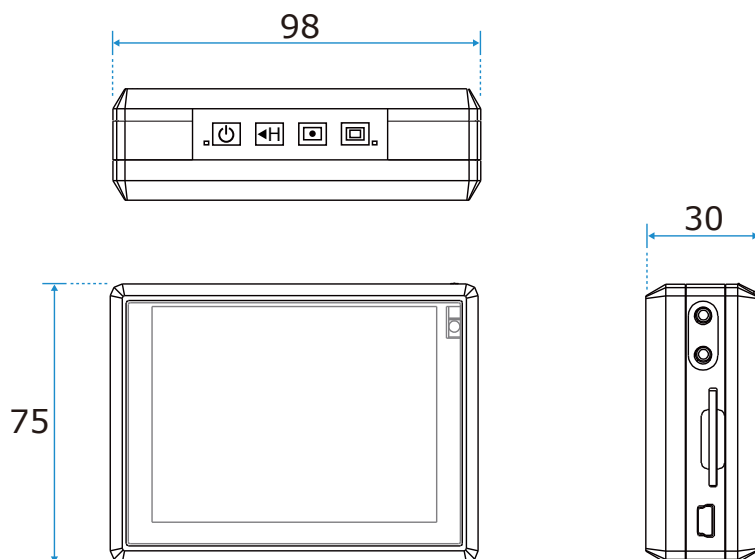


10 pin USB Cable



Cable for camera

Dimension

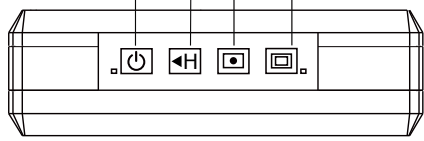


Unit : mm (± 0.5)

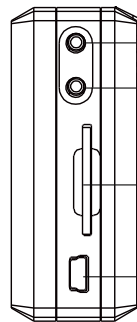
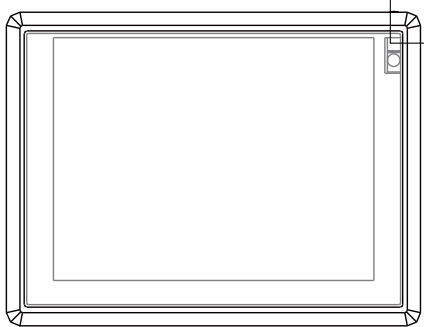
Part Name

MAIN DEVICE

◀ TFT LCD Off/key lock
 Power ON/OFF
 REC.
 Snapshot



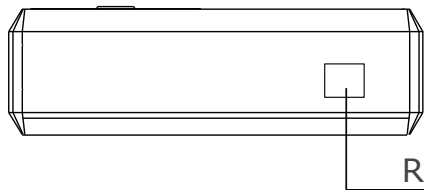
IR Remote Control Receiver



DC 5 V (130mA-max) Cam in
 A/V Output

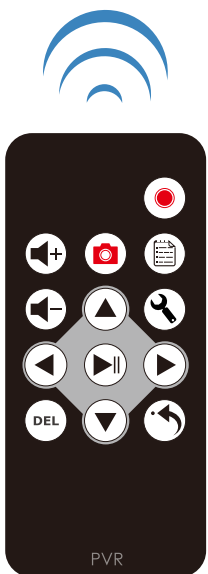
SD/SDHC Slot

MINI USB / Power In



Reset

REMOTE CONTROL



REC.(record)/ Stop REC. /preview

Snapshot

Menu/Setup

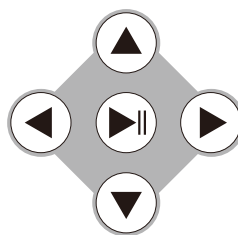
Esc/Return

File menu

Delete

Volume up

Volume down



up

down

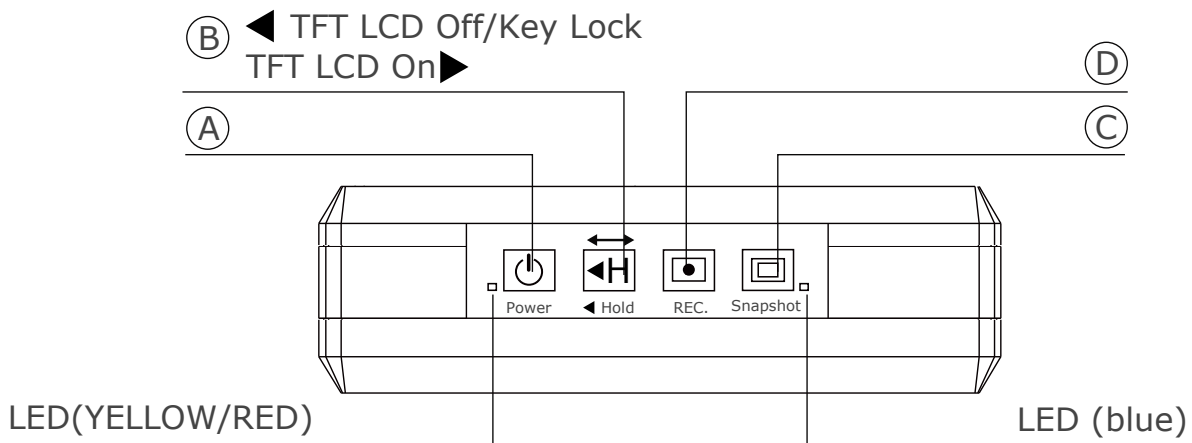
left

right

play / stop / confirm

1. Manual button description

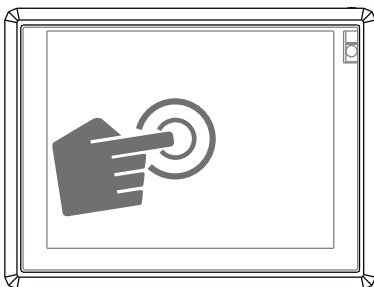
- a. press (A) button ,yellow indicator and red indicator light begins to bright, now it enters into start up ready mode
- b. press (C) button ,blue indicator light will flash(one time), and snapshot.
- c. press (D) button ,blue indicator light begins to bright, and REC.



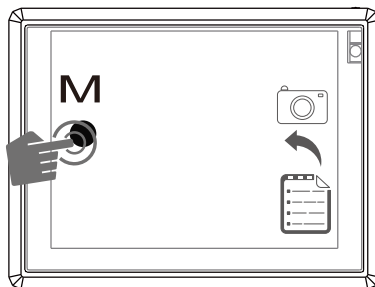
2. Touch Screen description

- a. press screen
- b. press ● button ,blue indicator light begins to bright, and REC.
- c. press ● or ↶ button ,blue indicator light will turn off, and REC.
- d. (A) Rec. times

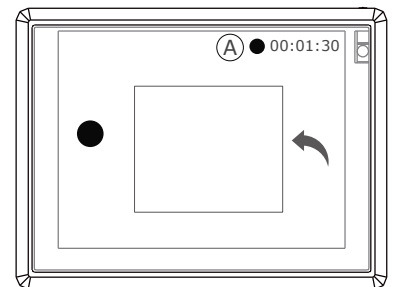
a.



b.



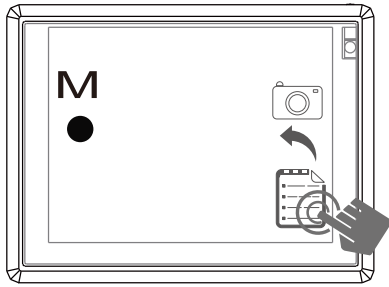
c & d.



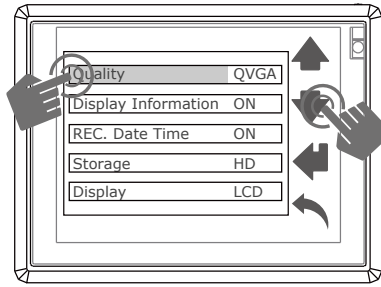
e. press  button ,into REC. setting




f. press item or press  &  to chose item

e.

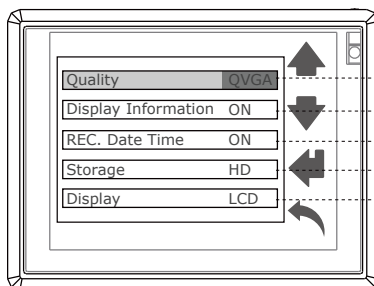
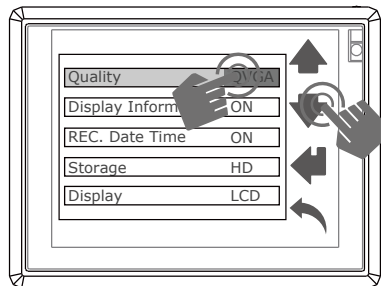


f.

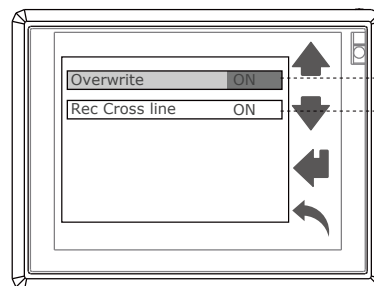


g. press item then press  &  to chose item.after chose you wanted item ,press item directly or press  to be set

g.



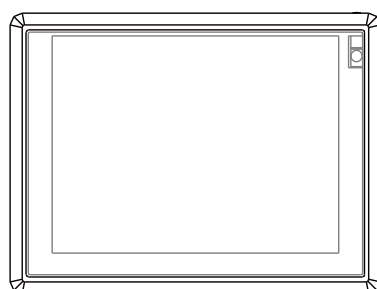
..... QVGA or VGA or D1
..... ON or OFF
..... ON or OFF
..... HD or SD
..... LCD or TV





..... ON or OFF
..... ON or OFF

3.Remote control operate description

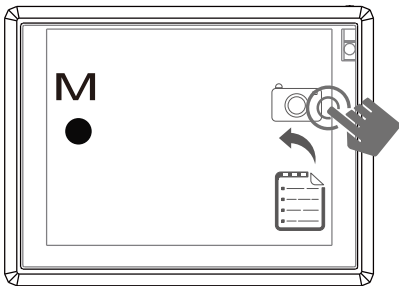
a. press remote control the  button , the DVR of blue indicator light begins to bright, now it starts to REC. press remote control  again to stop REC.



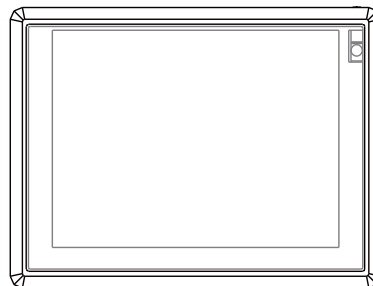
Snapshot Mode

- press  button ,blue indicator light will flash(one time), and snapshot
- press remote control  button ,blue indicator light will flash(one time), and snapshot.


a.



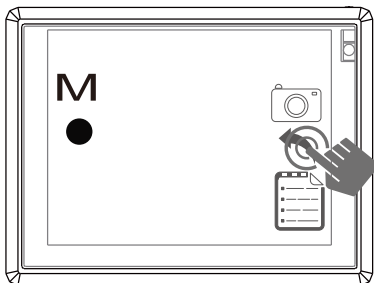
b.



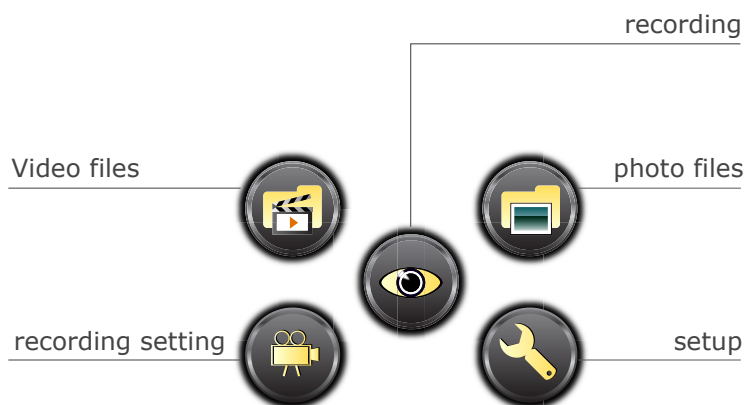
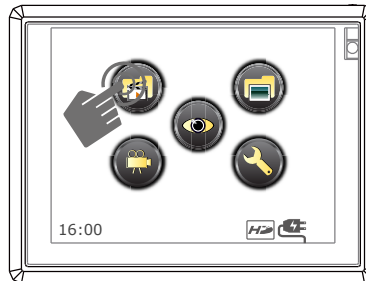
Menu

- press  button into main menu
- press icon button into what you want item





a.

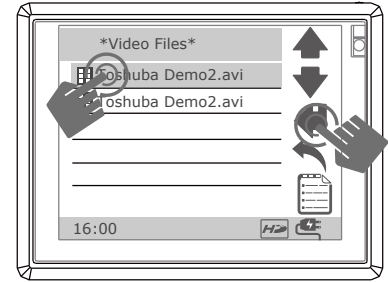
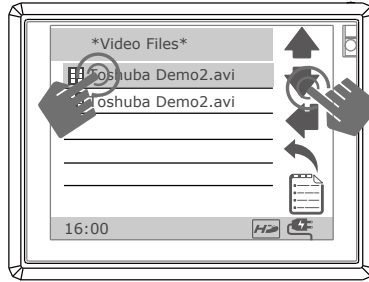
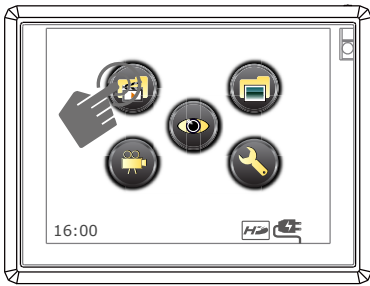


b.

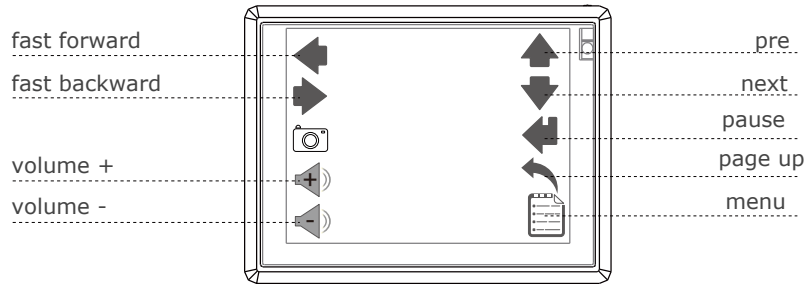







1. VIDEO Files

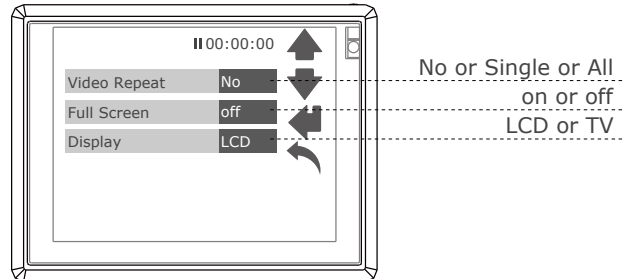
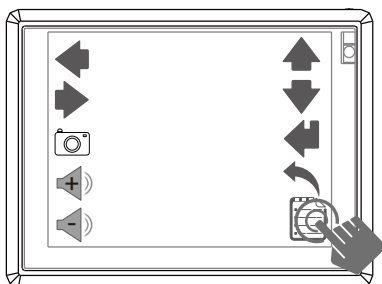
a. press  icon into video files , press item or press  &  to chose item .
press item again or  to start preview video.







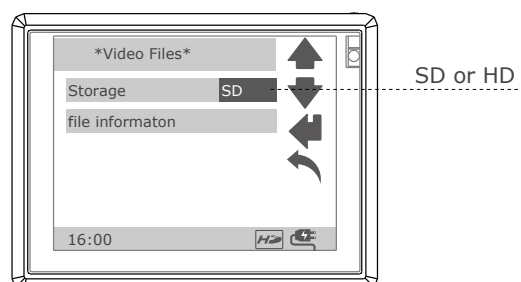
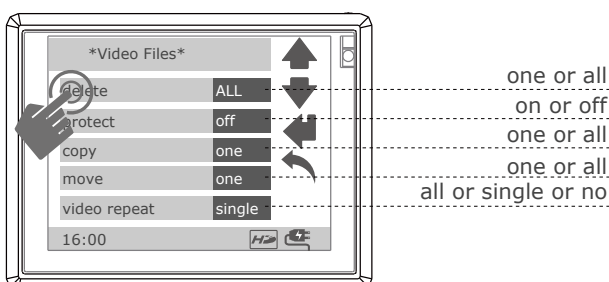
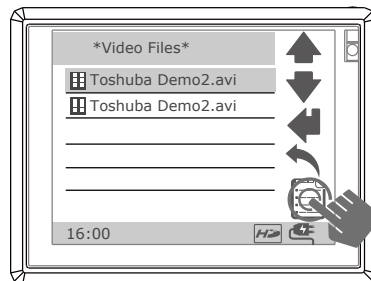
b. press screen to appear icon



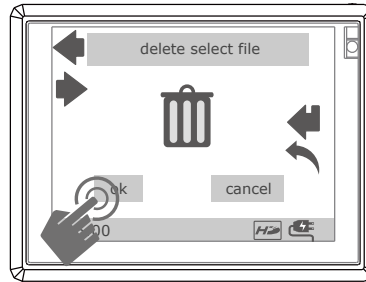
c. press screen  icon to into this video editing, here you can change video repeat , screen or display press  &  to chose item ,press item again or  to finish setting ,then press  return to preview video



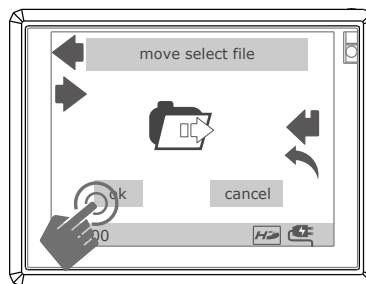
d. press screen  icon to into this video item, here you can delete , copy or remove it. press  &  to chose item ,press item again or  to finish setting



1.delete press icon directly or press screen ▶ & ◀ icon to chose item, then press ◀ or press "ok" to delete , then press screen ↶ icon to return to video files menu

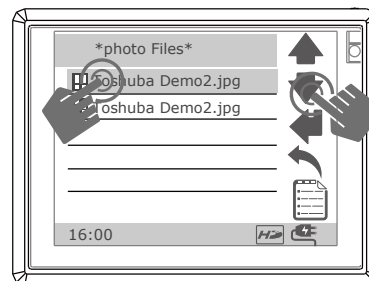
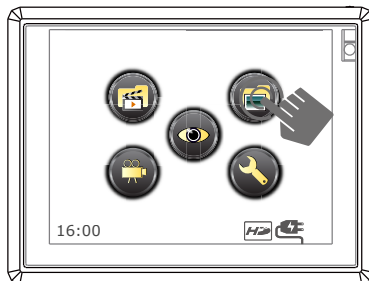


2.move press icon directly or press screen ▶ & ◀ icon to chose item, then press ◀ or press "ok" to move , then press screen ↶ icon to return to video files menu

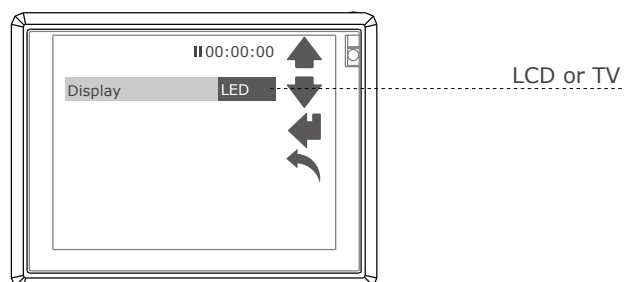
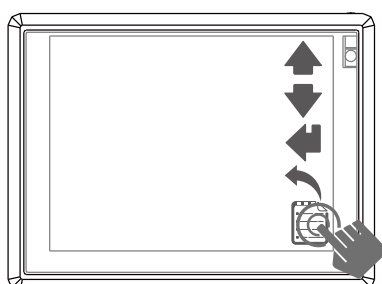






2.PHOTO Files

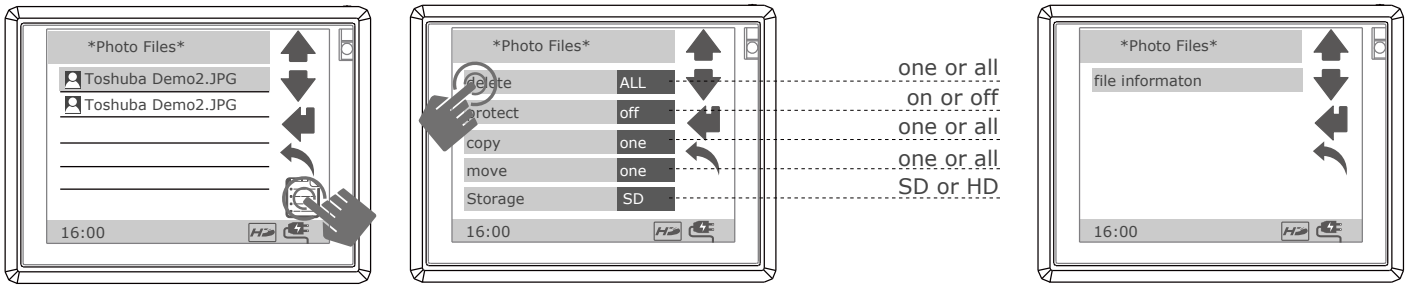
a. press 📁 icon into photo files , press item or press ▲ & ▼ to chose item press item again or ◀ to browse Photos







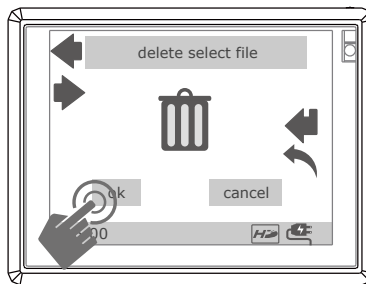
b. press screen to appear icon,then press screen 📄 icon to into this photo editing, here you can chane display press ▲ & ▼ to chose item ,press item again or ◀ to finish setting ,then press ↶ icon to return to browse photos







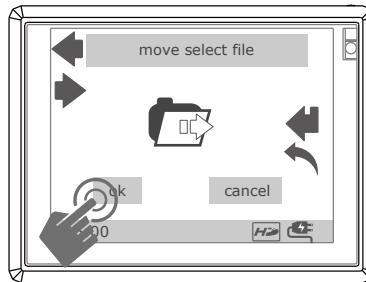
b. press screen  icon to into this photo item, here you can delete , copy or remove it. press  &  to chose item slightly,press item again or  to finish setting



1.delete press icon directly or press screen  &  icon to chose item, then press  or press "ok" to delete.
press screen  icon to return to photo files menu

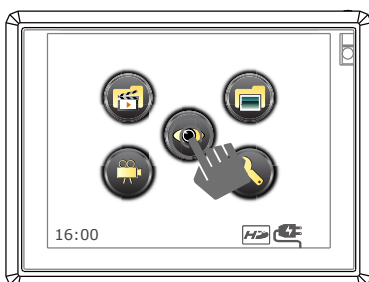


2.move press icon directly or press screen  &  icon to chose item, then press  or press "ok" to move
press screen  icon to return to photo files menu

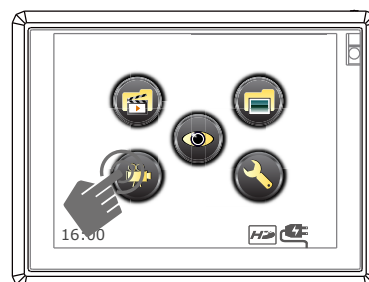


3. Recording & Record setting

a. press  icon into REC.



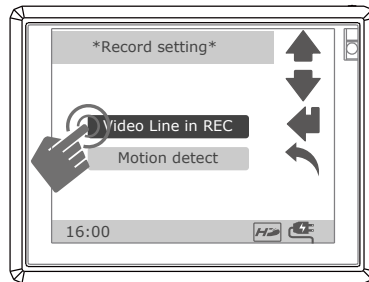
b. press  icon into Record setting



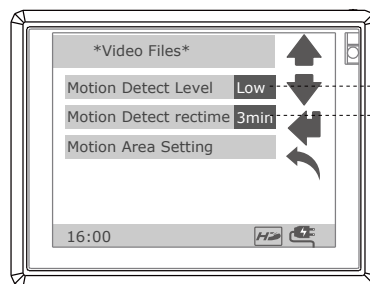
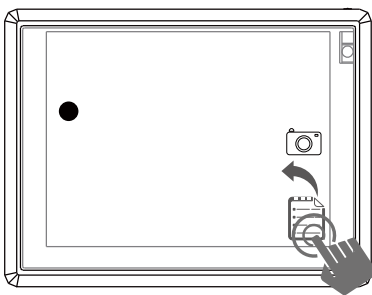
C. In the record setting ,press screen item directly or press ▲ & ▼ to chose item , press item again or ◀ to finish setting

Video Line in REC : in this mode you can manual-control REC.

Motion detect : in this mode , the DVR connected camera and it will motion detect automatically. press screen ↶ icon to return to main menu

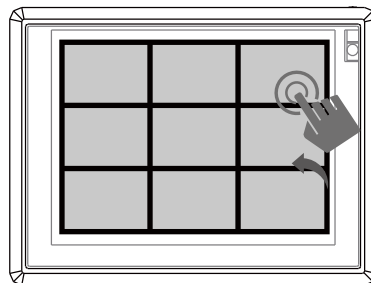


1 In Motion detect ,press screen to appear icon,then press 📄 icon to into Motion detect editing,press ▲ & ▼ to chose item



Low or Middle or high
30 sec or 1min or 3min or 5min or min10

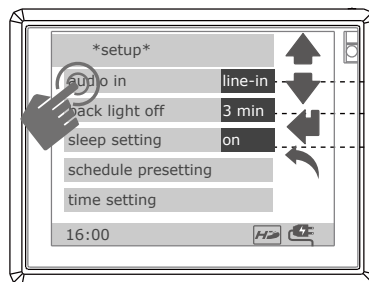
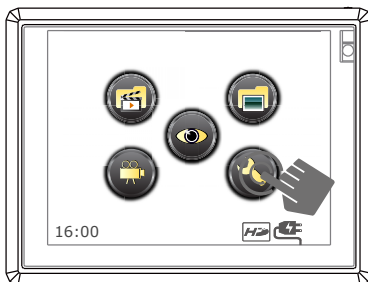
Motion Detect Area : there are nine zone ,and it can easy to set motion detect area what you want (note:the red squares part can be motion detect)



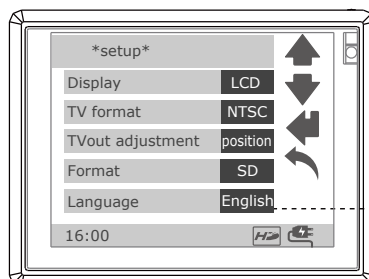
4.Setup

a. press 🛠 icon into setup

b. press screen item directly or press ▲ & ▼ to chose item ,press item again or ◀ to finish setting. press screen ↶ icon to return to main menu



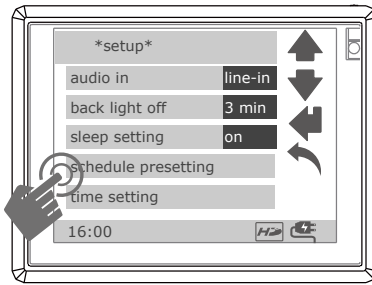
built-in or line-in
on or 30sec or 1min
on or 30min or 60min or 90min



7 language (English ,Japanese ,Chinese ,Francais
Deutsch ,Italiano ,Espagnol) are optional

c. Schedule presetting:

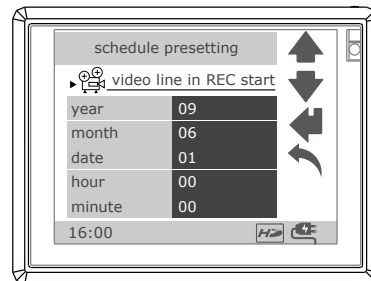
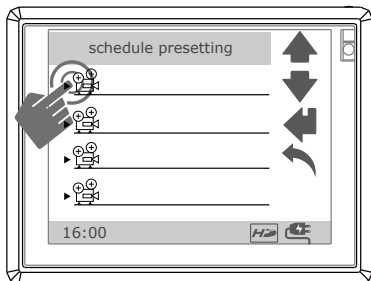
In this mode you can set the time ,then the DVR will record automatically at the set time.



1. press screen item directly or press \uparrow & \downarrow to chose item ,press item again or \leftarrow to finish setting. press screen \curvearrowright icon to return to setup menu

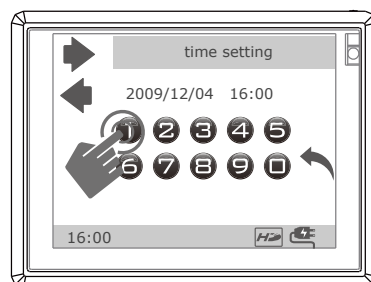
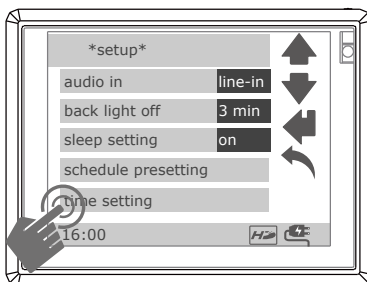
precautions:

- It is needed to set the setup item as on to successfully the reserved recording
- The schedule will be executed only when the device is in power on state
- The recorded files will be save in video folder



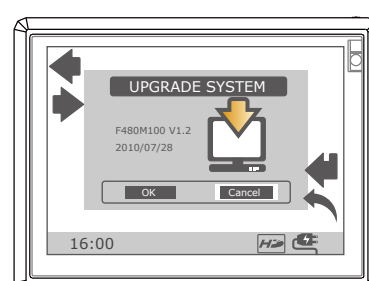
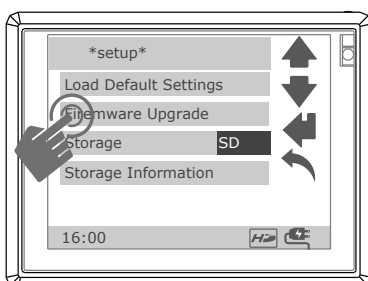
d.time setting

1. press screen icon directly or press \rightarrow & \leftarrow to change year/month/date and time press screen \curvearrowright icon to return to setup menu

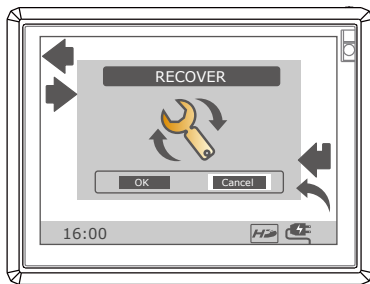


e.firmware upgrade:

insert the memory card which contains updated software into the device and press "ok" ,after the system is updated, it will reboot automatically; if the message update error is shown, it means that there are errors during updating, it might be that the software is incomplete or the memory card has some problem,please use other memory cards, or reboot the device after inserting the memory card

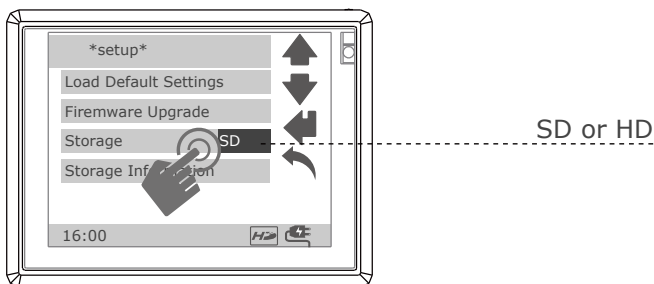


f.Load Setup Defaults : select to reset default values



g.Storage: (optional Built-in 160G 1.8" Hard Drive type item: DVR 160)

This DVR has two storage that SD or HD.select SD storage before,be able to insert a SD card,then you can to set SD storage and show the word SD in the right side
If set HD storage,it will show HD word in the right side



h.Storage information: show the size and the residual space

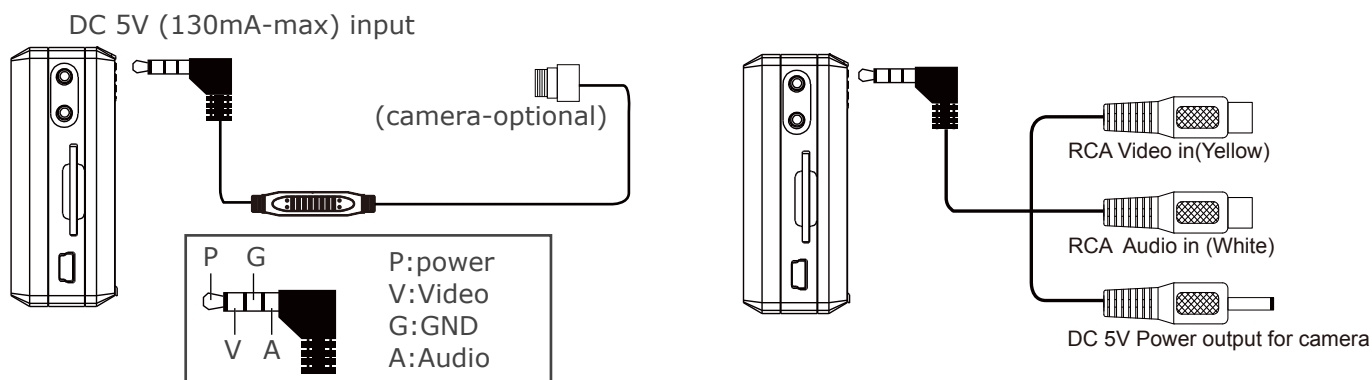
5.icon name

UP/ Previous	Esc / Return	Snapshot	Record
Down/Next	ENTER / PLAY / STOP	Backup	Yes
Right / FF	Motion Detecting	Backup	No
Left / RW	Sub-Menu	Delete	power in
battery			

Link With Other Equipments

1.External video source recording

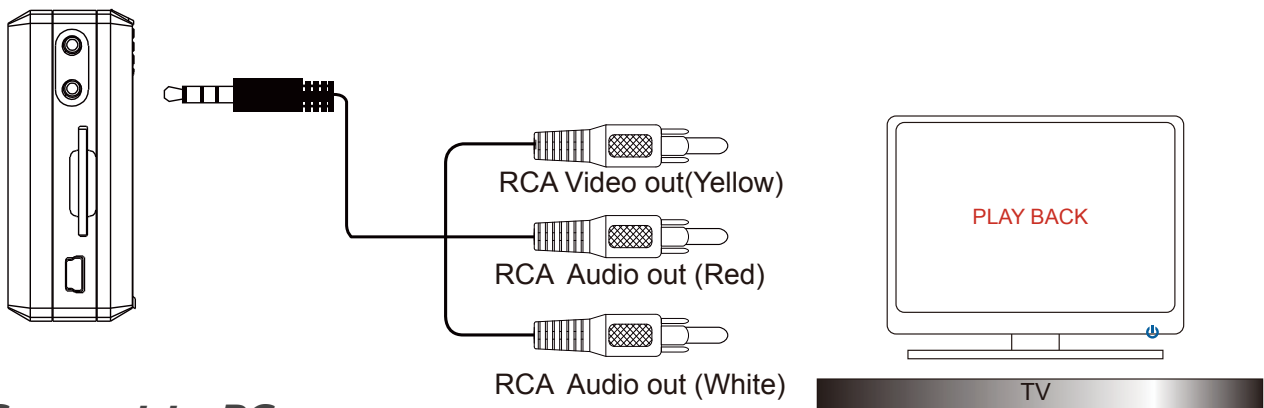
By connecting with an external video sensor,it can record the video into video files In mpeg4 format(the file format is avi)



2. Output to TV screen

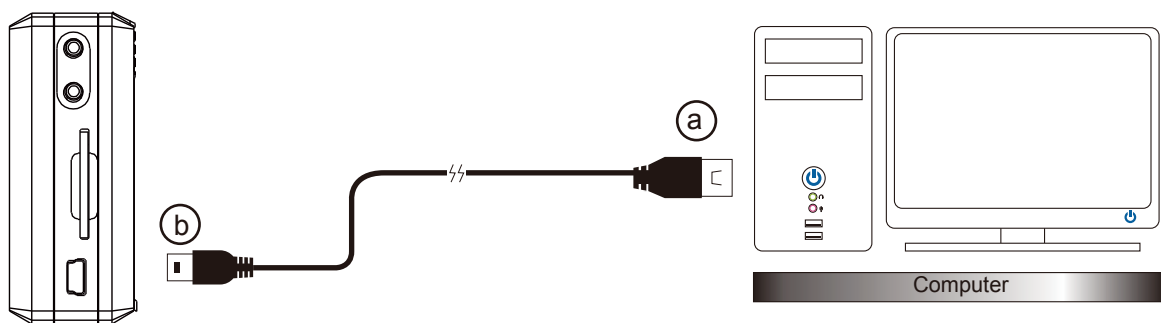
Output the image to the TV through an RCA cable .

(Enter the setup menu , change the setting of display from "LCD" into "TV")



3. Connect to PC

After the DVR power on, connect the (a) and (b) ends of the usb cable to MP-600 and PC



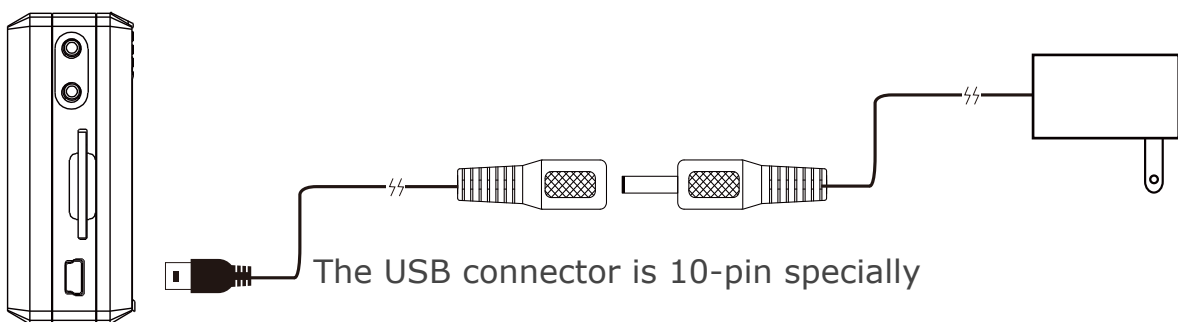
4. the battery Charge

When the power goes down, power LED indicator blinks and the meter with no bars displays on the bottom right corner of the screen, which indicates that the power of the host exhausts and please recharge it immediately.

precautions:

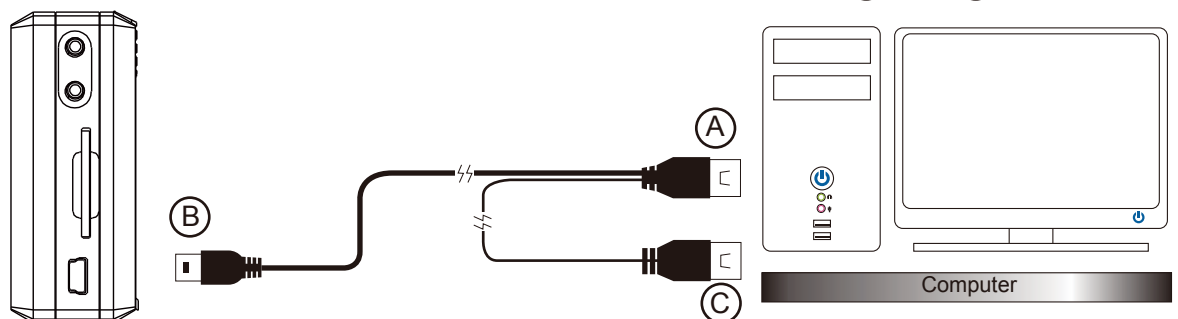
Connect the main device with the power supply and then plug the power supply into the electrical outlet. The led light (red) will always be on.

1: Charge with adapter



2: Charge with USB

When the customer charge the battery with USB , that the (A) and (C) both connect with PC



Specification

Video Record

- (1) Compliant with MPEG-4 ISO/IEC 14496-2 , MPEG-4(AVI)
- (2) Audio Compression : ADPCM
- (3) Bit Rate Up to 3M bps
- (4) Video file format : AVI
- (5) Real time Record (AVI line in)
- (6) Video Record Quality
 - a. D1 : 720 x 480(16fps)
 - b. VGA : 640 x 480(30fps)
 - c. QVGA : 320 x 240 (30fps)
- (7) RTC Stamp embedded in Video stream
- (8) Real-time Record
- (9) Motion Detect
- (10) LOOP circulate video recording
- (11) Support Schedule recording (4 programs setting)
- (12) Audio input select by user (from audio line in or built-in microphone , microphone only consider indoor use)

Photo Snap Shut

- (1) Photo snap shut under preview mode.
- (2) Support Cross line capture under preview mode.
- (3) File format : JPEG (VGA quality)

I/O Interface

- (1) AV Line in with 2.5mm Phone Jack
- (2) AV Line out with 2.5mm Phone Jack
- (3) USB 10pin (USB & Charging)
- (4) SD card slot SDHC
- (5) IR
- (6) HDD FPC Connector

Display

- Touch Screen 3.5" TFT LCD
- (1) rechargeable Li-ion battery NP120 (2000mAh)
- (2) Built-in charging circuit
- (3) 100~240V 50/60Hz AC adaptor , DC 5V~2A output power management
 - a. Auto Power off when system idle at 30 minutes (no work)
 - b. AV line in / out " Auto power off " will be disabled.Power charge time : 3~3.5 hours (approximately)
- (5) Battery Status indicator
 - a. Full (100% 2hr)
 - b. Middle (50% 1hr)
 - c. Low battery (10% 10min) blinking for 30 seconds
 - d. Power off (5%) red led on and power off after 1min.

Storage

- (1) Support SD card (Both support SD 1.0 & SD 2.0 (SDHC))
- (2) Support SD memory up to 32G
- (3) Support USB 1.1 & USB 2.0 to SD & HDD
- (4) optional Built-in 160G 1.8" Hard Drive TYPE ITEM NO: DVR160

Link to PC

- (1) Support Windows 2000 / XP / VISTA
- (2) Connect the USB cable from PC to device , directly exchange file from PC to