MP-600HD USER'S MANUAL

Mobile DVR (3.5" Touch Screen)

⚠ Clean the product by any chemicals such as alcohol is prohibited.

Accesorios ▶

MP-600HD	Remote Control	AV Cable (AF-PRRR12)	Plug convertor For camera (AF-224)	Battery

USB Cable/charge (AF-UU070)	Adaptor	10 pin USB Cable (AF-UD02)	Cable for external camera (AF-PDRR12-01)	4 GB SDHC

Dimension ▶
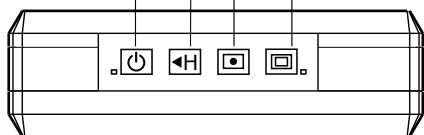
98

75

30
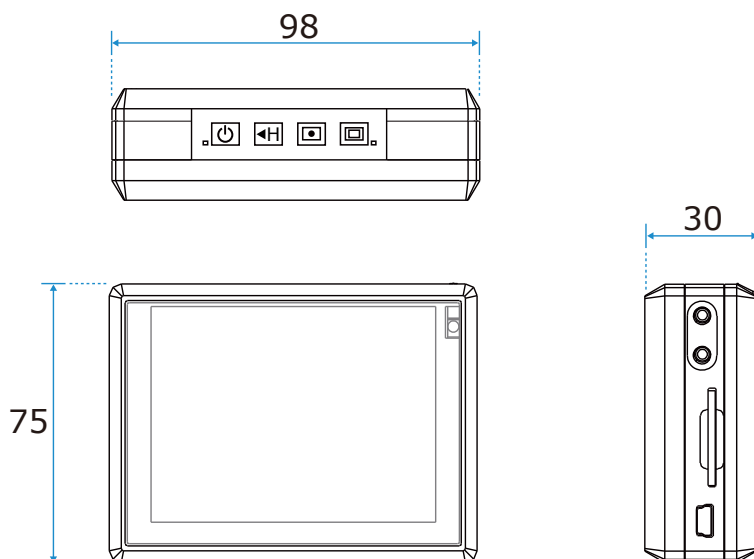
Unit : mm (± 0.5)

MP-600HD MAIN DEVICE

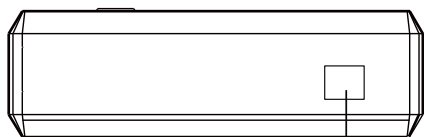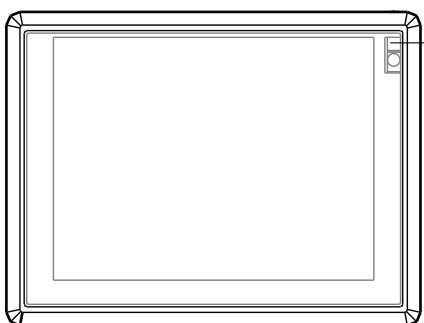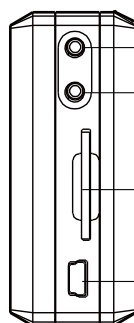◀ TFT LCD Off / key lock

REC.

Power ON/OFF

Snapshot

IR Remote Control Receiver

DC 5 V (130mA-max)Cam in

A/V Ouput

SD/SDHC Slot

MINI USB / Power In

Reset

REMOTE CONTROL

⦿ REC.(record)/ Stop REC. /perview
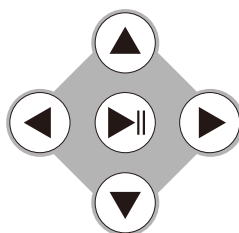
📷 Snapshot

🔧 Menu/Setup

↩ Esc/Return

🗒 File menu

DEL Delect

🔊+ Volume up
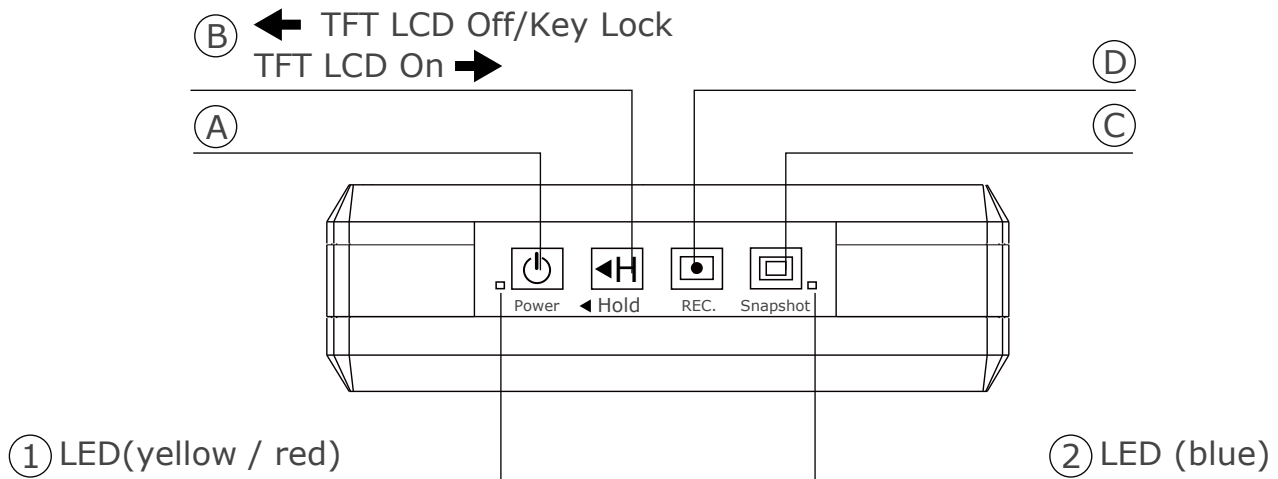
🔊− Volume down

▲ up

▼ down

◀ left

▶ right

▶‖ play / stop / comfirm
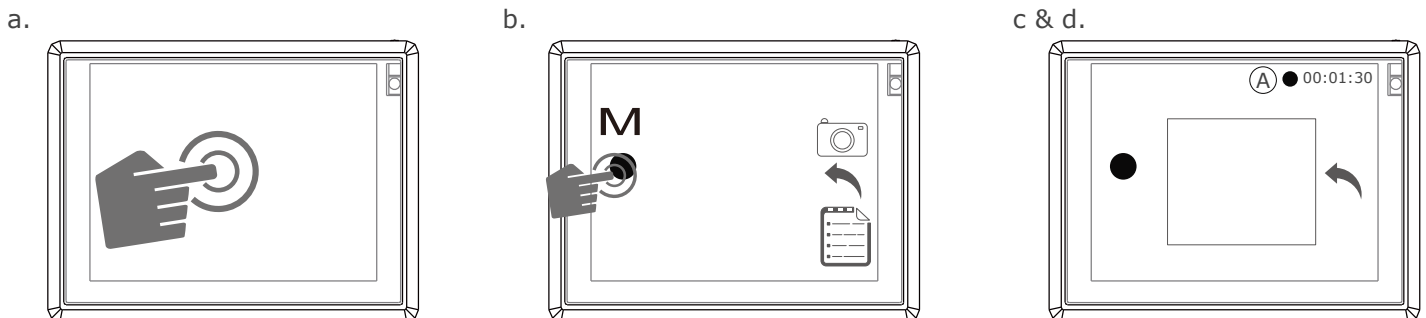
PVR

1.Manual button description

a. press (A) button ,yellow indicator ((1))and red indicator light will be on, now it enters into start up ready mode

b. press (C) button ,blue indicator((2)) light will flash(one time), and take snapshot.

c. press (D) button ,blue indicator ((2)) light will be on, and start REC.

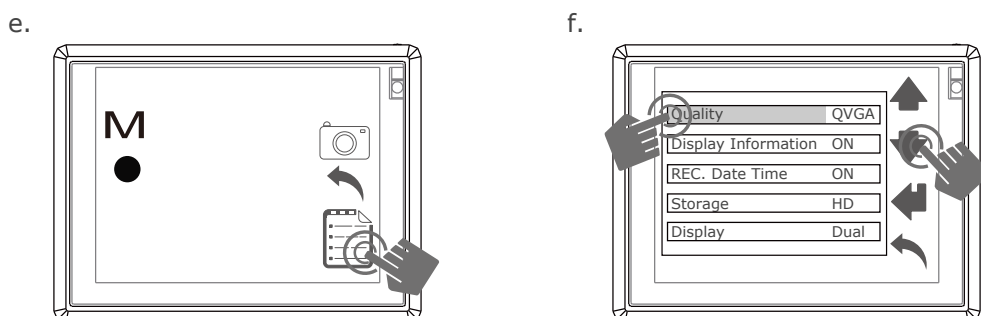⚠ User needs to unlock hold key in order for MP-600 to turn on

B ← TFT LCD Off/Key Lock
TFT LCD On →

A

D

C

Power ◄ Hold   REC.   Snapshot

(1) LED(yellow / red)

(2) LED (blue)

2.Touch Screen description

a. touch screen

b. press ● button ,blue indicator light will be on, and start REC.

c. press ● or ↰ button ,blue indicator light will turn off, and start REC.
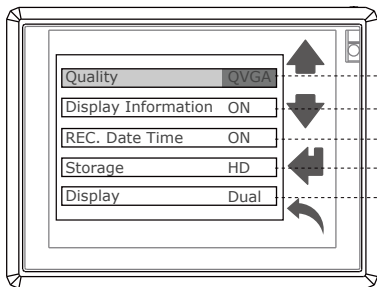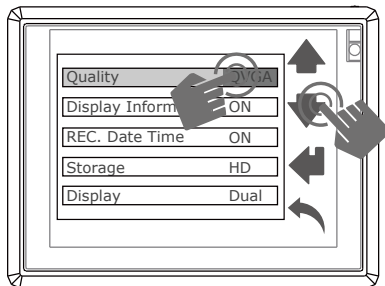
d. (A) Rec. times

a.

b.

M

c & d.

(A) ● 00:01:30

e. press 🗒 button ,into REC. setting

f. press item or press ⬆ & ⬇ to choose item

e.

M
●

f.

Quality	QVGA
Display Information	ON
REC. Date Time	ON
Storage	HD
Display	Dual

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

g.

Quality	QVGA	.... QVGA or VGA or D1
Display Information	ON	.... ON or OFF
REC. Date Time	ON	.... ON or OFF
Storage	HD	.... HD or SD
Display	Dual	.... Dual
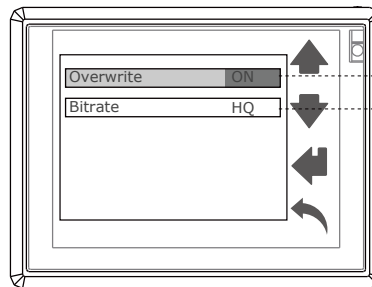
Overwrite	ON	.... ON or OFF
Bitrate	HQ	.... HQ or Normal

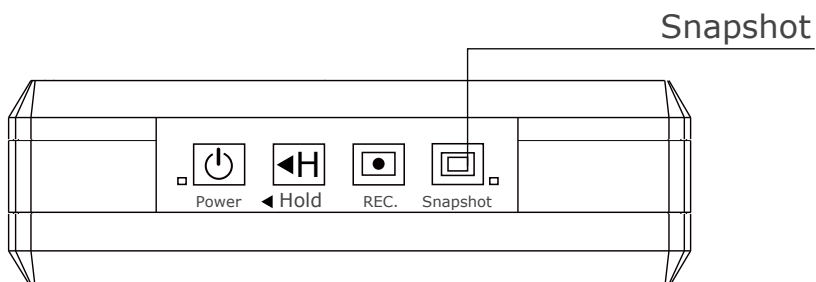## 3.Remote control operate description

a. press remote control the ⦿ button ,MP-600HD of blue indicator light will be on, now it starts to REC. press remote control ⦿ again to stop REC.
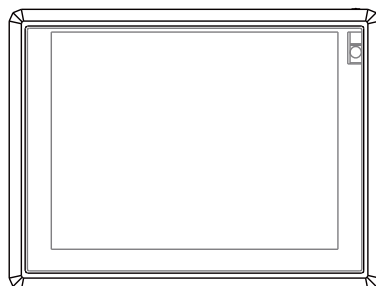
Snapshot Mode ▶

1.Manual button description

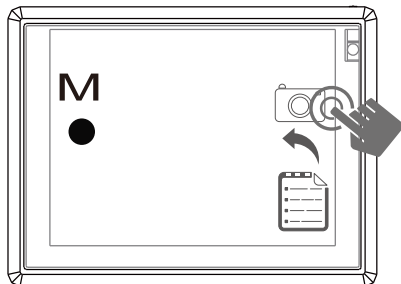**a.** press "snapshot" button ,blue indicator light will flash(one time), and take snapshot.

Snapshot

Power ◀ Hold REC. Snapshot

2.Touch Screen description

a. touch screen

c. press 📷 button ,blue indicator light will flash(one time), and snapshot
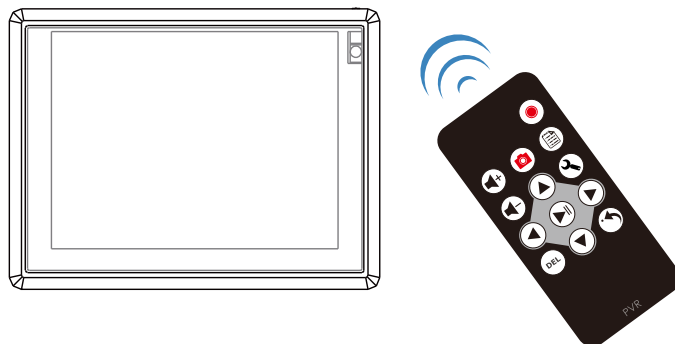
c.

3.Remote control operate description

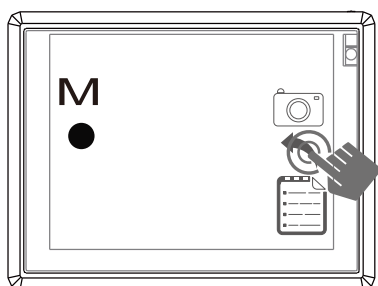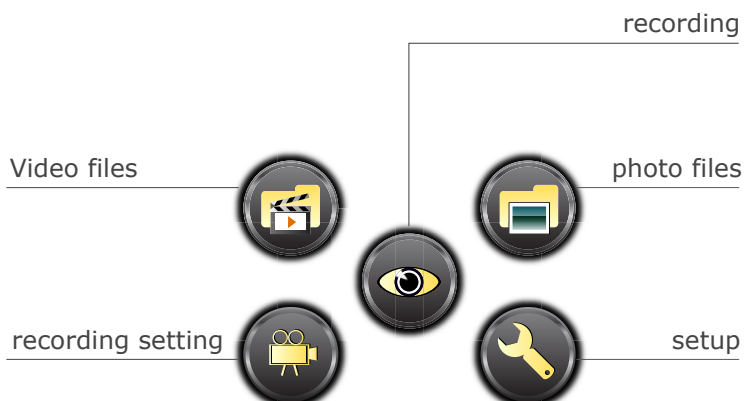**a.** press remote control 🔴 button ,blue indicator light will flash(one time), and snapshot.
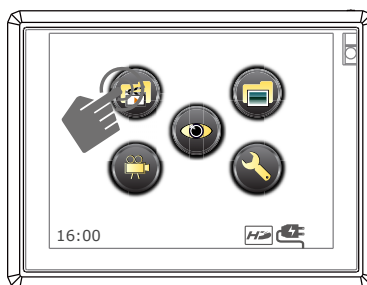
d.

Menu ▶

a. press ↰ button into main menu
b. press icon button into what you want item

a.

b.

16:00

recording

Video files

photo files

recording setting

setup

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

fast forward	pre
fast backward	next
	pause
volume +	page up
volume -	menu
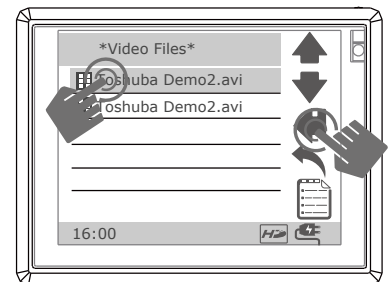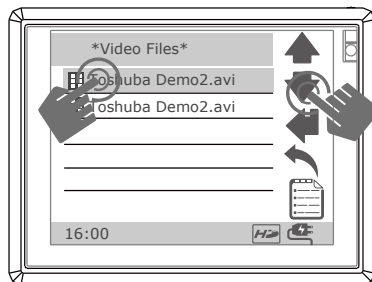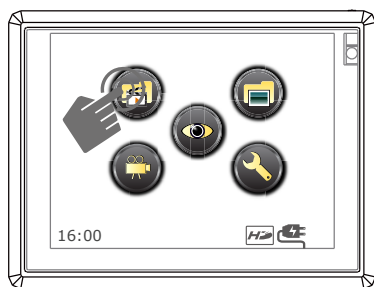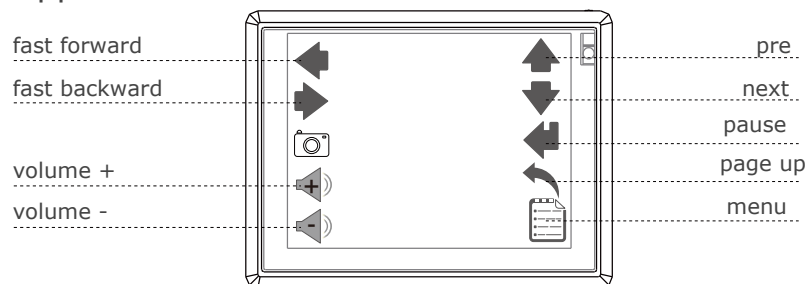
c. press screen 📄 icon to into this video editing, here you can change video repeat , screen or display press ▲ & ▼ to chose item ,press item again or ◀ to finish setting ,then press ↰ return to preview video
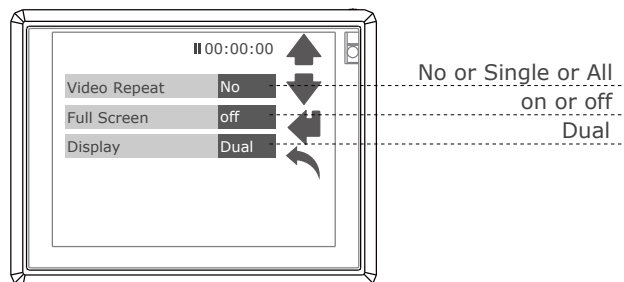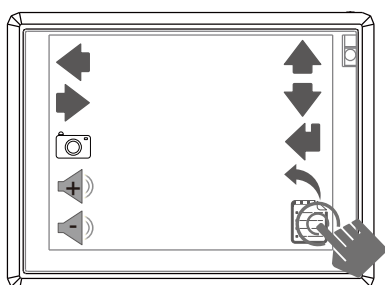
⏸00:00:00

Video Repeat	No	No or Single or All
Full Screen	off	on or off
Display	Dual	Dual

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

Video Files
⊞ Toshuba Demo2.avi
⊞ Toshuba Demo2.avi

16:00

delete	ALL	one or all
protect	off	on or off
copy	one	one or all
move	one	one or all
video repeat	single	all or single or no

16:00

Storage	SD	SD or HD
file informaton		

16:00
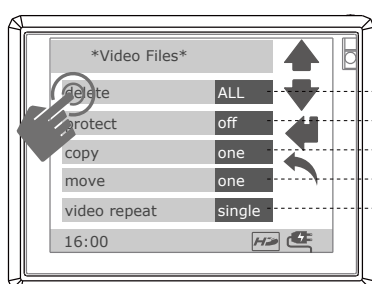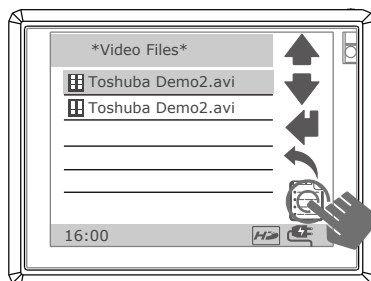
1.delete press icon directly or press screen ▶ & ◀ icon to chose item, then press ◀ or press "ok" to delete , then press screen ↰ icon to return to video files menu
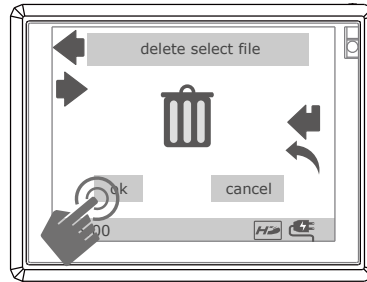
2.move press icon directly or press screen ▶ & ◀ icon to chose item, then press ◀ or press "ok" to move , then press screen ↰ icon to return to video files menu

2.PHOTO Files

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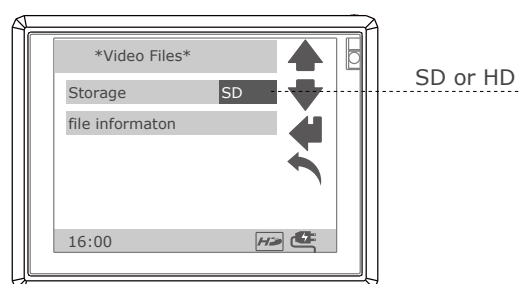

b. press screen to appear icon,then press screen 📄 icon to into this photo editing, here you can chane display press ▲ & ▼ to chose item ,press item again or ◀ to finish setting ,then press ↰ icon to return to browse photos
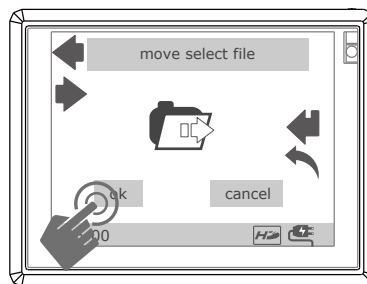
b. press screen 📄 icon to into this photo item, here you can delete , copy or remove it. press ▼ & ▲ to chose item slightly,press item again or ◀ to finish setting
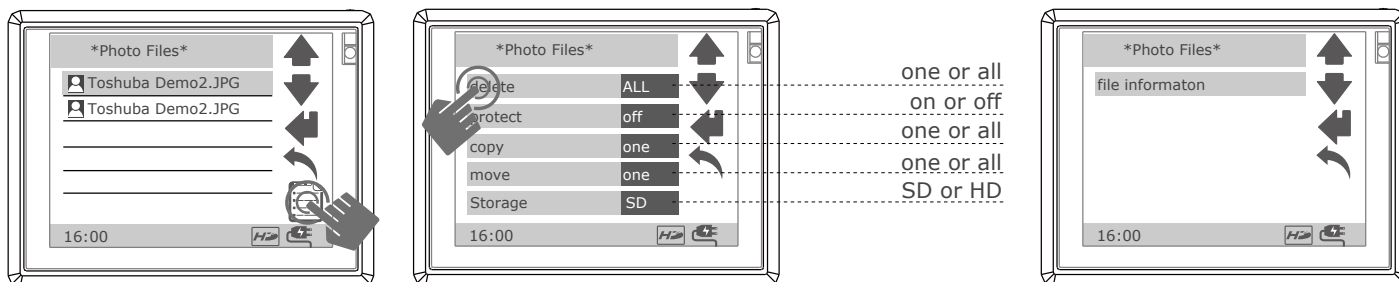
	one or all
	on or off
	one or all
	one or all
	SD or HD

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
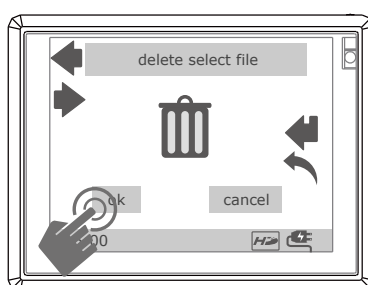
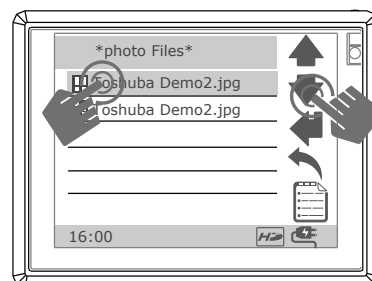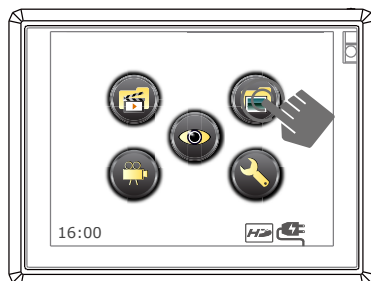## 2.move press icon directly or press screen ▶ & ◀ icon to chose item, then press ◀ or press "ok" to move
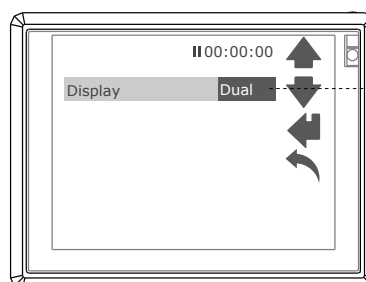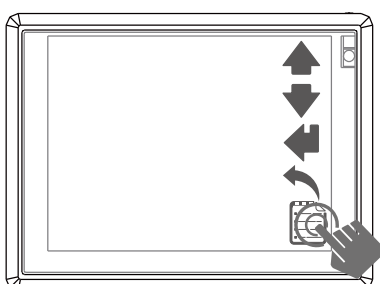press screen ↩ icon to return to photo files menu
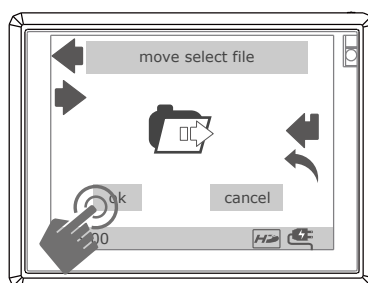
3.Recording & Record setting

a. press 👁 icon into REC.
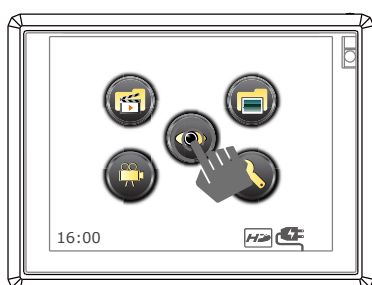
b. press 🎥 icon into Record setting
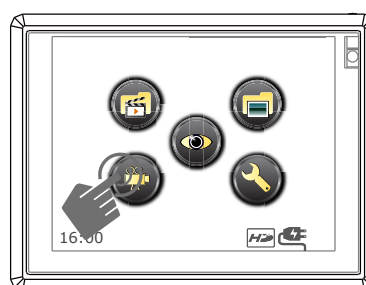
C. In the record setting ,press screen item directly or press ▲ & ▼ to chose item , press item again or ◀ to finish setting

Video Line in REC : in this mode you can manual-control REC.
Motion detect : in this mode , MP-600HD connected camera and it will motion detect automatically. press screen ↖ icon to return to main menu

Record setting
Video Line in REC
Motion detect
16:00
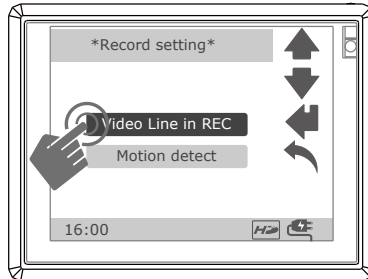
1 In Motion detect ,press screen to appear icon,then press 📄icon to into Motion detect editing,press ▲ & ▼ to chose item

Quality	QVGA	QVGA or VGA or D1
Display Information	ON	ON or OFF
REC. Date Time	ON	ON or OFF
Storage	HD	HD or SD
Display	LCD	Dual

Video Files
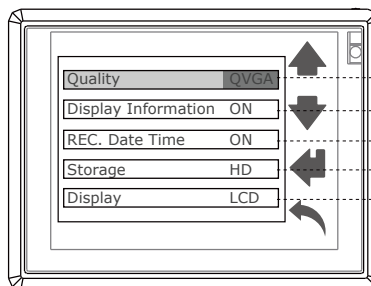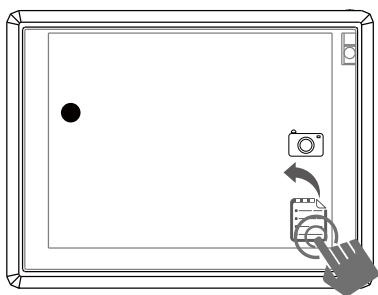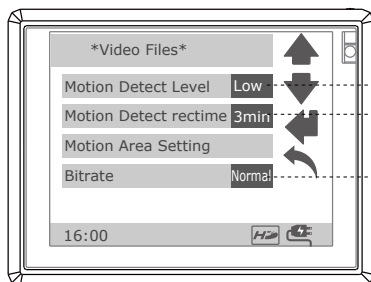
Motion Detect Level	Low	Low or Middle or high
Motion Detect rectime	3min	30 sec or 1min or 3min or 5min or 10min
Motion Area Setting		
Bitrate	Normal	HQ or Normal

16:00

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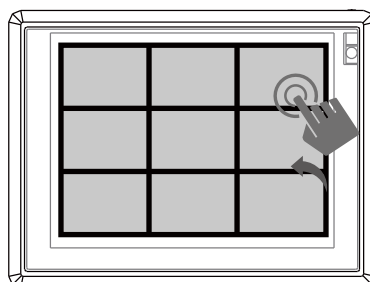
4.Setup

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

(⚠ "Back light off " function is replaced by " ◄ Hold " key.)

```
*setup*
audio in        line-in ........ built-in or line-in
back light off  3 min ......... ⚠no function
Sleep Setting   on ........... no or 30min or 60min or 90min
Schedule Presetting
Time Setting
16:00
```

```
*setup*
Display         Dual
TV Format       NTSC ........ NTSC or PAL
TVout Adjustment Position .... Position or Zoom
Format          SD
Language        English ...... 7 language (English ,Japanese ,Chinese
16:00                          Francais ,Deutsch ,Italiano ,Espanol)
```

```
*setup*
Load Default Settings
Firmware upgrade
Strong          SD
Storage information
16:00
```

c. Schedule presetting:

In this mode you can set the time ,then MP-600HD will record automatically at
the set time.

```
*setup*
audio in        line-in
back light off  3 min
sleep setting   on
schedule presetting
time setting
16:00
```
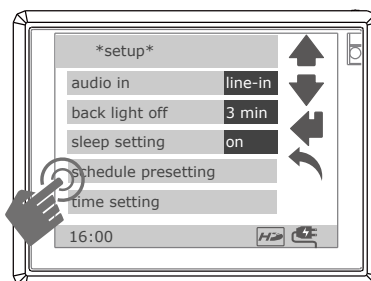
1. press screen item directly or press ▲ & ▼ to chose item ,press item again or ◄
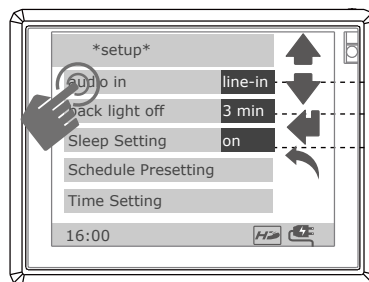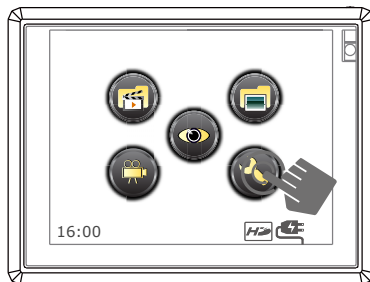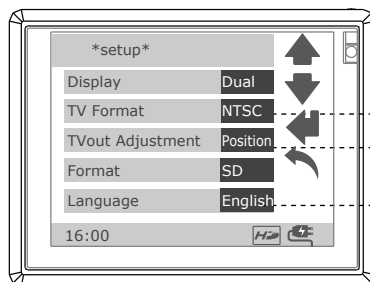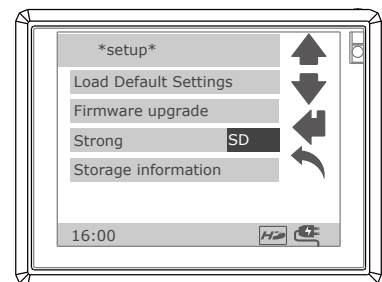to finish setting. press screen ↩ icon to return to setup menu

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

```
schedule presetting
16:00
```

```
schedule presetting
video line in REC start
year    09
month   06
date    01
hour    00
minute  00
16:00
```

```
schedule presetting
video line in REC start
Quality   VGA
Setting   off ........ off or on
16:00
```
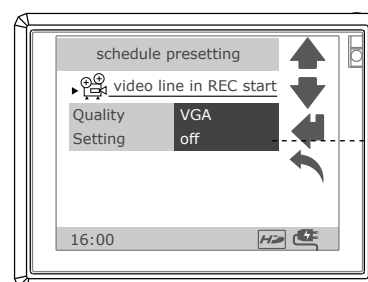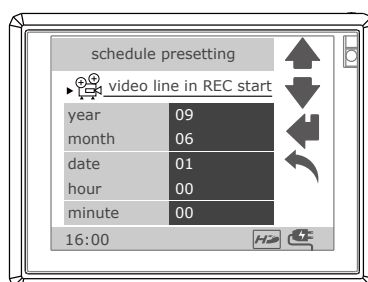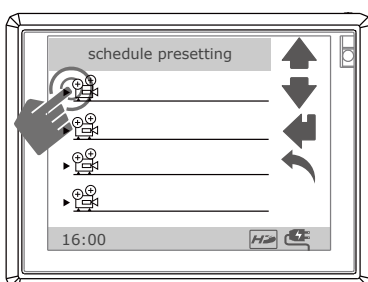
d.time setting

1. press screen icon directly or press ➡ & ◀ to change year/month/date and time
   press screen ↰ icon to return to setup menu
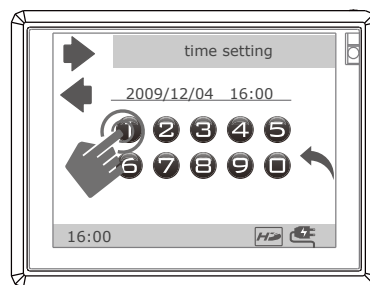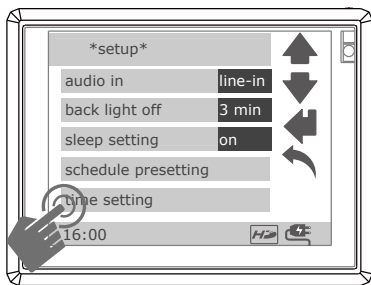
e.firmware upgrade:

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
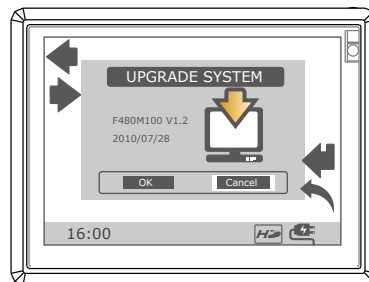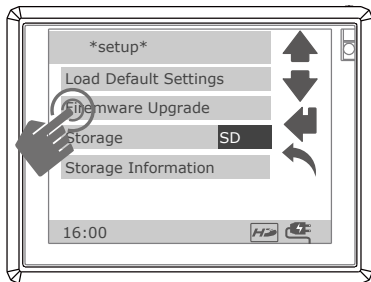
f.Load Setup Defaults : select to reset default values
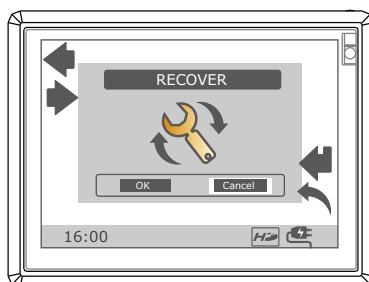
g.Storage: (optional Built-in 160G 1.8" Hard Drive type item NO: MP-600HD)

MP-600HD 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

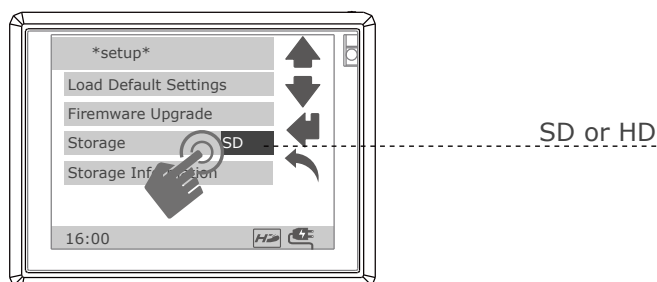|			
▲ UP/ Previous	↰ Esc / Return	📷 Shapshot	🔋 battery
▼ Down/Next	⬐ ENTER / PLAY / STOP	● Record	
➤ Right / FF	**M** Motion Detecting	⚡ power in	
◀ Left / RW	🗒 Sub-Menu	🗑 Delete	

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)

P   G
P:power
V:Video
G:GND
A:Audio
V   A

(camera-optional)

Female Plug For Camera
1. VIDEO   2. VCC
3. GND   4. AUDIO

1 2
3 4

RCA Video in(Yellow)

RCA Audio in (White)

DC 5V Power output for camera
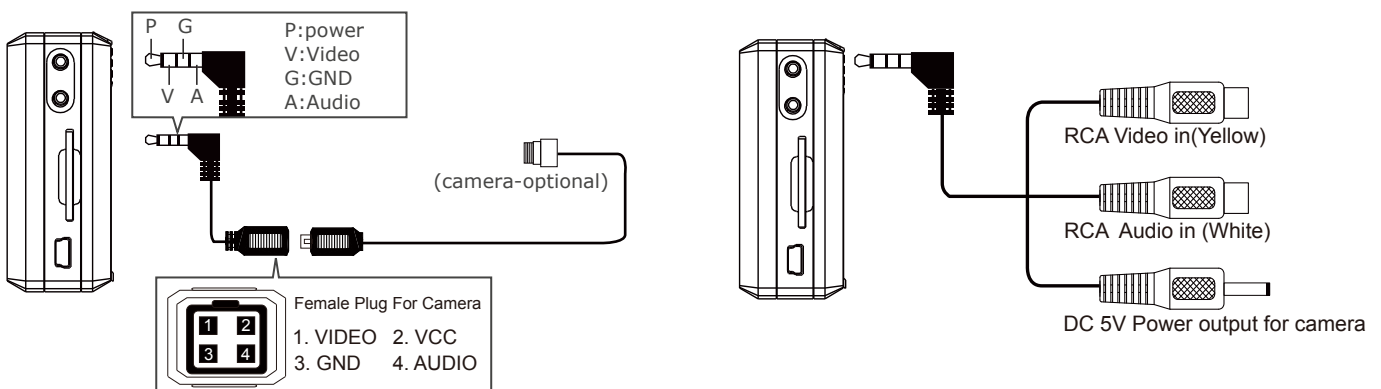
2.Output to TV screen

Output the image to the TV through an RCA cable .
("LCD" and "TV" will synchronized-display)

RCA Video out(Yellow)

RCA Audio out (Red)

RCA Audio out (White)

PLAY BACK

TV
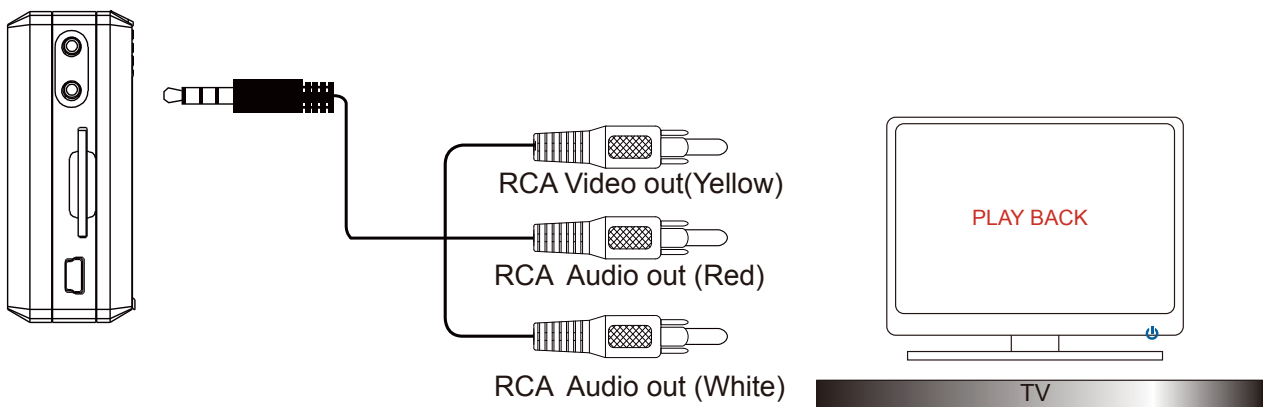
3.Connect to PC

After MP-600HD power on, connect the Ⓐ and Ⓑ ends of the USB cable to MP-600HD and PC
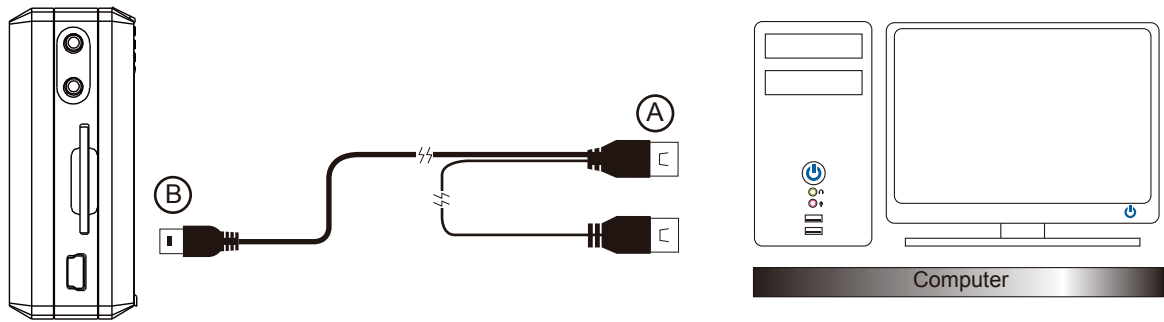
4.The battery charging

When the power goes down,power LED indictor 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

The USB connector is 10-pin specially
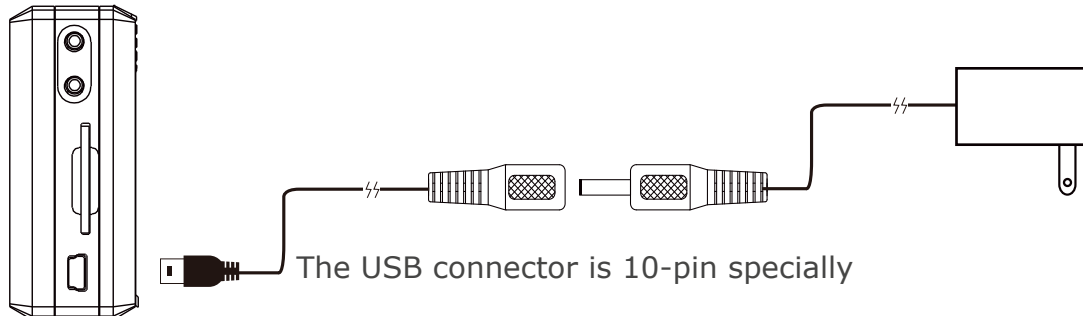
2: Charge with USB

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

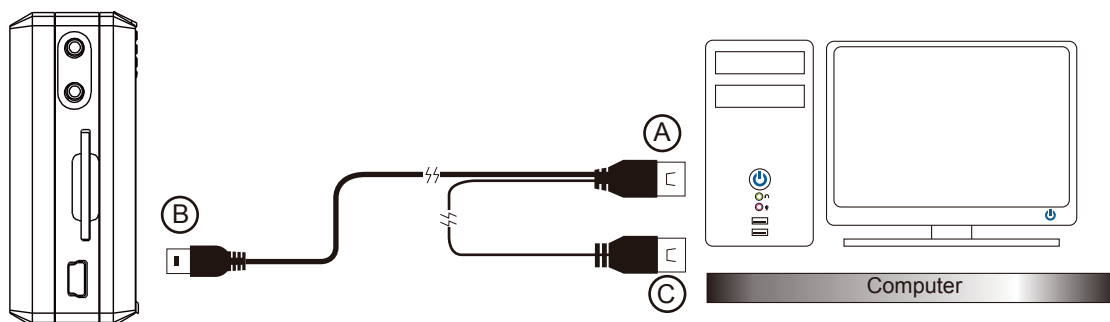| Video Record |
|---|
| (1)Compliant with MPEG-4 ISO/IEC 14496-2 , MPEG-4(AVI) |
| (2)Audio Compression : ADPCM |
| (3)HQ UP to 4Mbps |
| (4)Video file format : AVI |
| (5)Real time Record (AVI line in) |
| (6)Video Record Quality   a. D1 : 720 x 480-NTSC/PAL (16fps)
                           b. VGA : 640 x 480-NTSC/PAL (30fps)
                           c. QVGA : 320 x 240-NTSC , 352 x 288-PAL (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 Snapshot
(1)Photo snapshot under preview mode.
(2)File format : JEPG (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

Display
Touch Screen 3.5" TFT LCD
(1)rechargeable Li-ion battery NP120 (1900mAh)
(2)Built-in charging circuit
(3)100~240V 50/60Hz AC adaptor , DC 5V~2A output power management   a. AV line in / out " Auto power off " will be disabled.

(4)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: MP-600HD

Link to PC
(1)Support Windows 2000/XP/VISTA/7
(2)Connect the USB cable from PC to device , directly exchange file from PC