Hidden Video Recording System Manual

Tissue Box DVR

Model Number: 3001078

Thank you for purchasing our Hidden Video Recorder System. Please read this manual before installation.

For customer support, please contact your dealer, and please keep your Invoice for further support.

> **Do not open/modify** the device, as it may cause damage to the unit. For internal repairs, consult your dealer or an Authorized Service Center.

> **Do not use** any accessories other than bundled; otherwise, it would be out of warranty.

> **Protect from humidity.** Do not put it in water and be careful to protect it from rain, sea water, or high humidity environment etc.

> **Protect from high temperatures**
> To avoid damage or mis-operation of the device, only use it where the temperature is 0 ~ +40°C.

> **Do not bring** the device suddenly from a hot to a cold place, or vice versa. This may cause t he condensation inside the unit damaged.

> **EU Environmental Protection**
> The symbol of crossed-out garbage shows that this product should not be treated as household waste, and it falls into the category of *electric /electronic* equipment for recycling. This electronic device should not be disposed in a regular trash. We strongly advice you to contact related authorization before you dispose this product.
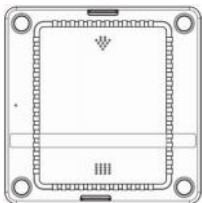
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Contents

Before use

Please backup/format SD card regularly in order to keep efficiency of SD card

Please fully charge the bundled Li-polymer battery with specific charger cradle for **15 hours** when first time using.

Tissue Box Mechanism

Please insert the SD card into Tissue Box, and make sure the battery gives enough power to start it. Place the Tissue Box appropriately, and turn it on. Tissue Box will record when motion is detected (factory default setting) or user can press "REC" button on remote control to do continuously recording . For more details about Tissue Box mechanism, please refer to below sessions.

1. Open battery cover

Please push the battery cover on the bottom of Tissue Box, follow the direction of arrow, and then pull out the cover.
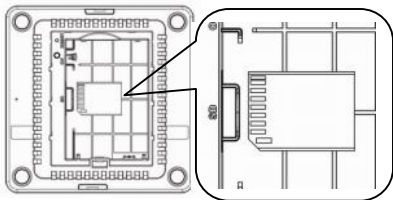
2. How to take out the battery / Change the battery
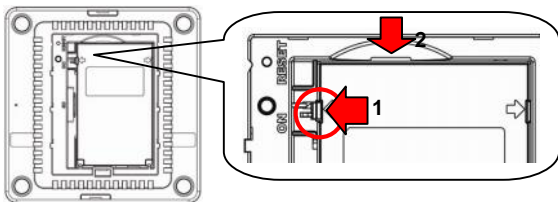
After remove the battery cover, you can take out the b attery or change the battery. Please notice the lock tenon before taking

out the battery. And make sure the direction of battery when you put it into device.
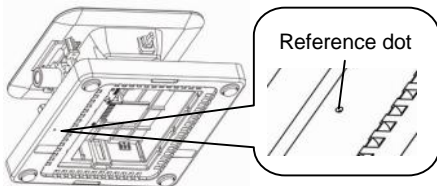
3. How to insert/draw out SD card

The SD card slot is on the bottom, and you have to take out the battery firstly. Notice the SD card direction before insert it.
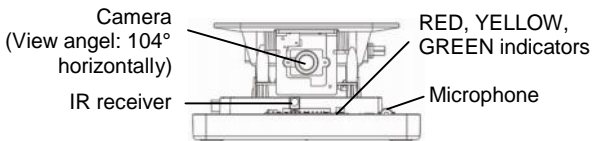
* Please press "Menu" or "Playback" key, or power off the board before taking away the SD/microSD card. Hot-swap the SD/microSD card is not recommended, otherwise, the card may be damaged.
* Please safely remove SD/MicroSD card on computer.

4. Camera position & IR receiver position

Reference dot

The camera is at the same side as reference dot

Camera
(View angel: 104°
horizontally)

IR receiver

RED, YELLOW,
GREEN indicators

Microphone

* The default value of LED indicators and buzzer are ON, please turn it off via remote control if required.
* LED indicators and buzzer will be ON when powering on, and then on or off according to user's setting.

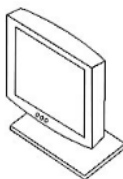5. How to open device and put tissue in
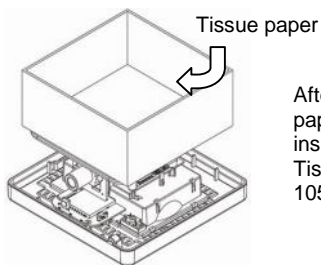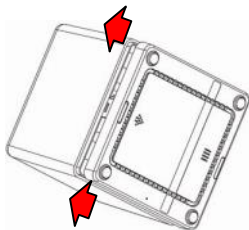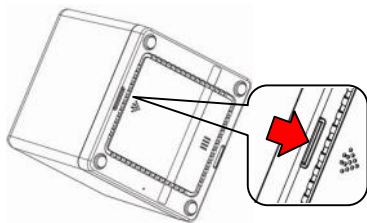
Tissue paper

After open the device, tissue paper can be put onto the plate inside Tissue Box. The Tissue's size should be 105 x 105 mm.
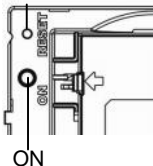
Connect AV output
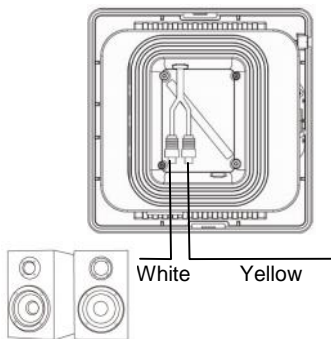
On the tissue plate, there is an AV output for connecting to external monitor and/or speaker to adjust the camera images.

White   Yellow

Power on/off the Tissue Box

Reset

ON

Short press the "ON" button inside battery cover of Tissue Box, or press "power" button on remote control to power on Tissue Box. The LED will be on and buzzer will beep around **2 seconds** after Tissue Box was powered on.

Press and hold "ON" button for around 2 seconds, or press "power" button on remote control to power off it.

Short press "Reset" button by a needle, the device will reboot without saving the current recording. Press and hold "Reset" button, the device will be turning off.

Charge the Battery

Please use the bundled battery and charger cradle for Tissue Box only.

Put the battery sticker face front, the cradle LED face front, and put battery on cradle. The red LED should be on if you put battery appropriately and start charging. After fully charged for around **6 hours**, the green LED will be on.

(Please charge for **10 hours** when you charge the battery for the first time.)

The battery can last for 6 hours at least when continuously recording. If motion activation or power saving when out of schedule, Tissue Box can last for longer.

* NOTE: Under low temperature conditions, the battery will have a shorter life than normal
* NOTE: Use the bundled power adapter for the charger cradle only.

Default Value

Video Resolution: **720x480**
Frame Rate: **25/30 frames per second**
Motion Sensitivity: **High**
Motion Area: **All area effective**
Schedule Setting: **All weekdays motion recording**
Storage: **Overwrite**
Recording Length: **30 minutes a file**
Date/Time Stamp Format: **YYYY/MM/DD**
Date/Time Stamp Position: **Upper right**
Date / Time Stamp Color: **White**
Language: **English**
External Trigger: **Deactivate**
Status Display: **On**

Start to record

Once power on unit, recording is factory preset at motion activated. It can be reset as continuous recording, having schedule, and external trigger activation thru MENU. Manual recording can always take place when **REC** button is pressed. (please refer to "Remote Control" session)

* Please press "menu" key before take away the SD card, otherwise the recording will not be saved onto SD/MicroSD card.
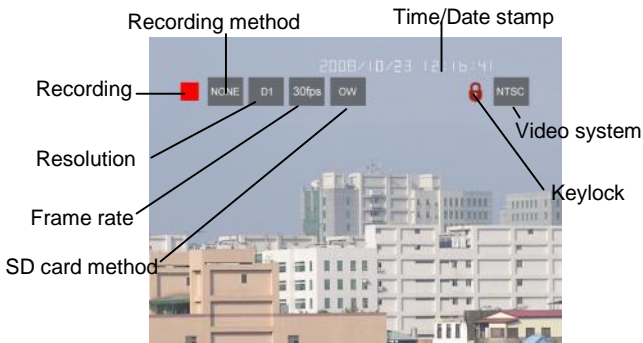
Playback Function

Press ▶ key on remote control to get into playback menu. You can use "Quick search", and enter the date/time which you would like to view. Or get into "List all", and press **OK** button to playback from a selected recording.

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Remote Control Diagram
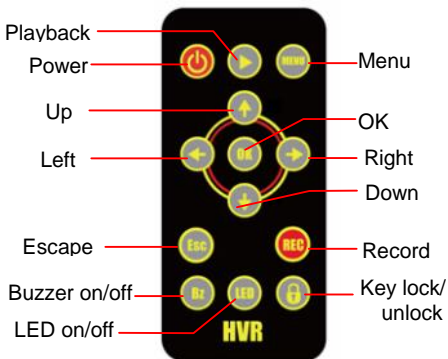
	Name	Function
⏻	Power	Power on/off the device
▶	Playback	Playback the recording files
MENU	Menu	Enter the menu setting
↑	Up	Move upward or increase
←	Left	Move left
OK	OK	Confirm the setting/change
→	Right	Move right
↓	Down	Move downward or decrease
ESC	Esc	Escape current menu
REC	REC	Manual record
Bz	Bz	Buzzer on/off
LED	LED	LED on/off
🔒	Keylock	Key lock/unlock

Screen Icons

Recording method — Time/Date stamp (2008/10/23 12:16:41)

Recording — NONE D1 30fps OW | NTSC — Video system

Keylock

Resolution

Frame rate

SD card method

[red square] : The red square will show up continuously when recording

NONE : Standby but not at recording

MD : Schedule on motion detection activated

Trig. : External trigger activate recording

Cont. : Schedule continuous recording

Manu : Manual recording by pressing "REC" button on remote controller

1fps 2fps 3fps …… 25fps / 30fps : Frame rate per second

720P : Resolution: 1280 x 720 (Option)

D1 : Resolution: 720 x 480

CIF : Resolution: 320 x 240

OW : Overwrite old recordings when SD card is full

FS : Stop recording when SD card is full

NTSC PAL : Video system (NTSC/PAL)

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LED status

Red LED	🔴 **On** Power on	X	🔴 **Off** Power off
Green LED	🟢 **On** System ready, SD card normal, and has schedule	🟢 **Blinking** System and SD card normal, but doesn't have schedule	🟢 **Off** System not ready or SD card abnormal
Yellow LED	🟡 **On** Battery charging	🟡 **Blinking** Running out of battery, please charge it	🟡 **Off** Battery not charging

Recording Duration

NTSC @ 30 fps (unit: hour)   * 1280x720 is optional

NTSC	1GB	4GB	8GB	16GB
1280x720	0.59	2.38	4.77	9.54
720 x 480	2.00	7.99	15.98	31.96
320 x 240	4.13	16.52	33.04	66.08

PAL @ 25 fps (unit: hour)   * 1280x720 is optional

PAL	1GB	4GB	8GB	16GB
1280x720	0.71	2.86	5.72	11.45
720 x 480	2.39	9.58	19.17	38.35
320 x 240	4.95	19.82	39.64	79.29

* The recording duration may different from image complication and frame rate setting

The most frequent use and important functions

● **File name explanation**

T **2008** **09** **26** **14** **19** **20** .AVI

Year — Month — Date — Hour — Minute — Second
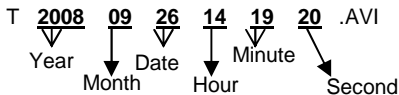
● **To turn off date/time display on screen**

System Setting > Date/Time > Stamp Format > **Off**

● **To set schedule**

Default of schedule is All motion activate.
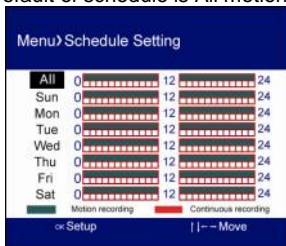
All means whole week from Sunday, Monday, to Saturday. You can simply set "All" and it will apply to whole week, or you can set certain schedule of an individual day. Just press "OK" on the day to settle the interval.

"OK": To confirm the interval setting, and it will go to next interval for the same date and same recording method.

"NO": Go to next schedule setting without saving the current interval

Schedule setting order:

1. All > Motion → All > Continuous (end)

2. Sun > Motion → Sun > Continuous → Mon > Motion → Mon > Continuous → Tue > Motion → … Until Sat > Continuous (end)

"Finish": To escape schedule setting. Or you can press "Esc" button on remote control, too.

● **To set interval up to 24:00**

This recorder does not have 24:00 in the schedule setting. For interval end with 24:00, please set 23:59 instead.
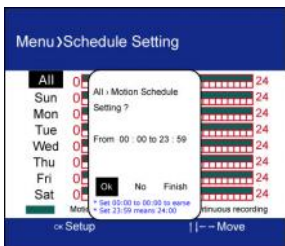
● **To delete schedule**

In motion/continuous recording, if the interval is from 00:00 to 00:00, and select "OK", then the interval will be canceled (erase).

* We recommend user to erase the schedule before settling.

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FAQ

Q1. What player software should I use to playback the recording files?

Ans. "Media Player Classic" is most recommended, and can be downloaded freely at http://ftp.freenet.de/pub/filepilot/windows/multimedia/video/k-lite_codec_pack/klcodec425f.exe. If you use "Windows Media Player" you may need to install mpeg-4 decoder. A lot more other mpeg-4 capable player can playback the record files, such as VLC, Storm Video Codec, …etc.

Q2. How long can date/time last without outer power supply?

Ans. RTC battery can last for 3 months without power supply (including battery power supply)

Q3. Why cannot I power on the device?

Ans. 1. Make sure the clear plastic protecter of remote control has been removed.

2. Make sure the battery is well placed and has enough power inside.

3. When you use the remote control, make sure it facing to the device, the side with reference dot on the bottom.

* Please press Menu or Playback key, or power off the board before taking away the SD/microSD card.

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Specifications

Video system	NTSC / PAL
Compression	MPEG-4
Video resolution	1280x720 (option) / 720x480 / 320 x 240
Recording frame rate	1, 2, 3, 5, 13/15, 25/30 fps
Image Sensor	1/3" CCD Interline Transfer Type
Resolution	420 TVL
Lens/ View Angle	2.5mm F2.0/ 104° (horizontally)
Sense-Up	256X
Video size	Approx. 2 hours for 1GB (@720x480)
Recording mode	Manual, Schedule continuous, Schedule motion
Audio recording	Yes (Optional)
A/V connection	RCA composite AV output
Power supply	Changeable and rechargeable 3.7V 4800mAh Li-polymer battery
Storage Media	SD card (1G to 16G, SDHC Class 6 is most recommended)
Control	IR remote control
LED indicator	Red, Yellow, Green, can be on/off via IR remote control
Buzzer	Can be on/off via IR remote control
Date/time stamp	Yes, position adjustable
Power failure	Auto Recovery
Firmware	Upgradeable, through SD Card
Current consumption	Operation mode : 220mA Standby mode : 210mA Sleep mode : <10mA
Operation temp.	+0~+50°C
Dimension	135(L)x135(W)x128(H) mm
Weight	550g (w/o battery and tissue paper)

* If there is no schedule and external trigger deactivated, the board will enter sleep mode after 30 seconds without control.

Accessories

Tissue Box

IR remote control

SD card

SD card reader

Memory card holder

3.7V 4800mA Li-polymer battery

Charger cradle for Li-polymer battery

5V 1.2A power adapter (For charger cradle)

User manual

Well-placed angle 2.5" LCD (optional)