

Mini DV

The Smallest Digital Video Camera Series In The World
With High Resolution Image

We Provide Your Own Shooting Way & Reflect Your Splendid Moment
Building the top brand of MINI DV industry



① Double side tape clip ② Double pin clip

③ Clip

④ Sling

USER MANUAL

Please read this user manual carefully and thoroughly before any attempt to install and operate this product and retain it for your future reference.

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INTRODUCTION

Thank you for purchasing MD99. MD99 has the unique, ultra-small and delicate design. It can be used in many recording situations. With the high speed dynamic recording function, it can be used for recording various exciting sports. MD99 brings more convenience, safety and fun to your daily life.

This manual will give the details about how to install and use this product, and also the information including technical parameters and important notice. Please read through this manual and understand it before operation, and keep it for future reference. We hope this product can satisfy your requirement and serve you for long time.

PRODUCT WARRANTY

Approval Information

All our products meet the requirements of FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

OVERVIEW

MD99, a high-tech product, just meets a plenty of needs of people and market. It possesses a series of advanced functions including digital video recording, audio recording, sound trigger recording, high speed USB data transferring and USB charging. MD99 has patents of invention, with various special accessories, you can record anytime and anywhere.

EU Environmental Protection

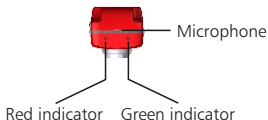
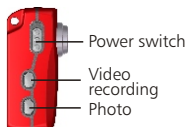
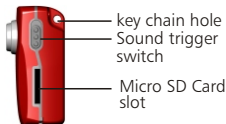
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



FEATURES

- >Snapshot function;
- >RTC function;
- >VOX function for auto monitoring, and saving energy, space;
- >With clip, double pin, multi-direction bracket and waterproof case, you can record at your pleasure.
- >Professional sports clip for real quality images&videos
- >High output quality of video and audio: 640X480px 30 fps;
- >Two indicators for easy operation;
- >Micro SD and Battery capacity check;
- >High speed dynamic recording and quick response to light;
- >Thumb size alloy housing, easy for recording, surveillance in various occasions ;
- >PC camera function for easy online video chat;
- >AVI video format for easy play in PC or uploading to video website;
- >Low illumination, high resolution image with 2000K pixels;
- >Build-in Li-battery lasts for 50 minutes continual recording and more than 120 hours standby time in VOX model;
- >Support 16GB memory card (max);
- >All angles recording/Surveillance with all directional clips and bracket;
- >Flexible installation for various materials carrier no matter how complex the surrounding is.

产品结构



使用安装

1. MD99 installation

MD99 can be used in your hand or mounted on the clip and bracket when use. The following pictures explains how to install it. MD99 can be also mounted on the bracket after loading into clip.



Load double clipper into bracket



Load camera into velcro clip



Load camera into clip



Load clip into bracket



Finished mount

2. Bracket installation.

Bracket can be turned to many angles, bracket on the bottom can be fixed by nail, velcro tape or magnet. It can be installed on almost any places.



Nails or Screws



Velcro



Magnet



3. Charm chain/key chain hanging for easy carrying.



4. Other usage modes for more usage.



OPERATION GUIDE

1. Insert Micro SD card.
2. The indicator will be red when the power is on.

NOTICE:

1. If battery runs low, the red indicator will flash quickly and will turn off power after 30 seconds.
2. If Micro SD card is not inserted, the green indicator will flash quickly.
3. If there is no operation within 30 seconds, MD99 will standby and turn off red indicator.

3. Recording mode

① Recording manually: when the sound trigger switch is off. Press "Record Switch" to start recording when power on, meanwhile the green indicator flashes slowly. Press "Record Switch" again to stop recording and the files will be saved as "*.AVI" format.

NOTICE:

1. In standby status, press "video recording" keypad to start video recording, meanwhile green indicator will flash slowly.
- 2 The indicator will keep in green and stop recording when the Micro SD card is full, then stop displaying after 30 minutes. You can not press any switch to operate MD99 when the indicator keep in green.

② Sound trigger recording: when the sound trigger switch is on.

- a: Turn on the power, MD99 will enter recording mode if the sound outside is up to 65 decibel.
- b: MD99 will automatically enter standby mode when the sound outside is lower than 65 decibel standing for 2 minutes.
- c: In the standby mode ,if the sound outside is up to 65 decibel, MD99 will enter recording mode again .
- d:In VOX statue,swith "VOX" off or press video recording keypad once to save video.

NOTICE:

If there is no response when pressing the power switch, it means power supply runs low, and device should be recharged .

4.After recording, the files will be saved automatically.

NOTICE:

- 1.Turn off the power during recording without stopping, recording stream will not be saved as file.
2. If recording time is long, device will create a file per 30 minutes, and save the file automatically.

5. Snapshot

In power on statue, press "shooting" keypad once to take one picture, meanwhile, green indicator will flash once; in video recording statue, pres"shooting" keypad once to save video file and take one picture, meanwhile, green indicator flashes once.

6. RTC time setting and update

Real time can be printed on video and pictures. RTC setting and update can be set by users with the software in the CD by software "Set time.exe". After installation, Icon will appear on the desktop. By connecting MD99 to PC by USB cable which can function as a mobile disk. Double click the "set time" icon, then a message box pop out, click "browse" and choose MD99 mobile disk and confirm it. Click "update" button, and a message box appears, then confirm it to finish the time setting (the new time is in accordance with the PC. After plug out USB cable, user must resume MD99 to make effect of the updated setting.

7. Charge

Connect MD99 to PC or adapter, the red light will flash slowly when charging and the red light be constantly on when fully charged.

8. Remaining memory checking

Long press shooting keypad for 4 seconds to check remaining memory capacity. Meanwhile, the flashing times of green indicator is based on the remaining memory (From 1 to 4 times), the more flashes, the less the remaining memory.

9. Remain battery checking

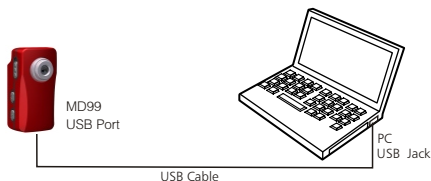
Long press video recording keypad for 4 seconds to check remaining battery capacity. Meanwhile, the flashing times of red indicator is based on the remaining battery capacity (From 1 to 4 times), the more flashes, the lower the remaining battery capacity. (Details are listed in the table)

10. Operation indication

Indicator	Statue	Meaning
Red indicator (For power)	Stay on	Power on
	Extinguish	Stand by
	Flash slowly	Recharging
	Flash quickly	Read&write form USB
	Flash once	3/4~1remaining battery
	Flash twice	1/2~3/4remaining battery
	Flash three times	1/4~1/2 remaining battery
	Flash four times	Less than1/4 remainging battery
	Flash quickly for 30 sec, then power off	Low battery
Green indicator (recording video& shooting indication)	Stay on	Memory is full
	Flash quickly	Data tranfering/ card isn't inserted
	Flash slowly	Recording video
	Flash once	Taking picture
	Flash once	3/4~1remaining memory
	Flash twice	1/2~3/4remaining memory
	Flash three times	1/4~1/2remaining memory
	Flash four times	Less than1/4 remaining memory

SAVING AND PLAYING FILE

Connect MD99 to PC by USB cable. Copy the video file from MD99 to PC. You can also use card reader to retrieve file. You can play video either by MDPlayer coming with CD or others such as Media Player , KMPlayer .



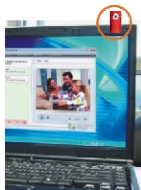
NOTICE:

Pay attention to the following conditions after connecting MD99 to PC with USB cable:

1. You can only copy the data from MD99 when the power is on and the sound trigger switch is off.
2. MD99 can be used as a PC camera when the power is on and the sound trigger switch is on.
3. When the power is off, MD99 can be charged and the indicator turns red.
4. Turn off the power before plug and pull the USB cable.

PC CAMERA

Please install the camera driver before using PC camera. After connecting MD99 to PC with USB cable, turn on the power and sound trigger switch, then a video device will appear on the PC which indicates MD99 can be used as a PC camera now.



◀ Web camera
for video chat
(Skype, MSN,
QQ)

Sound trigger
switch



NOTICE:

You can only copy the data from MD99 when the sound trigger switch is off and the power is on .

ADAPTER

This product always conforms to the authenticated AC adapter. The adapter should be marked one of the following:



UL Mark

American power supply authentication



C-TICK

Australia power supply authentication



CE Mark

European Union power supply authentication



PSE Mark

Japan power supply authentication



CCC Mark

China power supply authentication



BS Mark

British power supply authentication



GS Mark

German power supply authentication

NOTICE:

When using the power adapter, make sure the rating voltage on it is compatible with that of the device to avoid potential damages resulting from incorrect usage of power supply.

PACKING CONTENTS



Adapter



USB Cable



USB Connector



Chain



Double Clipper



Velcro Clip



Clip



Bracket



Velcro for bracket



Nails



Pouch



CD

NOTICE:

The picture may vary from the actual object.

参数

Pixel	2000000 color CMOS
View Angle	80°
Minimum Illumination	1Lux(min)
Battery Capacity	120mAH
Usage Duration	About 50 minutes
Standby Time(sound trigger)	120h
Consumption Current	140mA/3.7V(Max.)
Store Temperature	-20°-60°C
Operation Temperature	0°C-50°C
Operation Humidity	15-85%RH
Memory medium	Micro SD card(TF Card)
SD Capability	Max 16GB Micro SD Card
Video Function and Format	Video decode use motion JPEG, recording for AVI format. VGA(640 x 480@30frame/second)
Camera function	1280 × 960 JPEG
USB Jack	USB1.1/2.0
Operation System	2000/XP/Vista 32
Store Consumption	1GB per 30 min
Charge Time	1.5h(approx.)
Weight	30g (approx.)
Dimension	40x20x19mm (approx.)

NOTICE:

Specifications are subject to minor change with upgrade and update. Please base on real object.

