User Manual

HD Video Recorder

Ball-point pen Type

1. Structure

1 : operation button   5 : status indicator

2 : camera   6 : ball-point pen

3 : MIC   7 : USB

4 : reset button   8 : TF card Socket
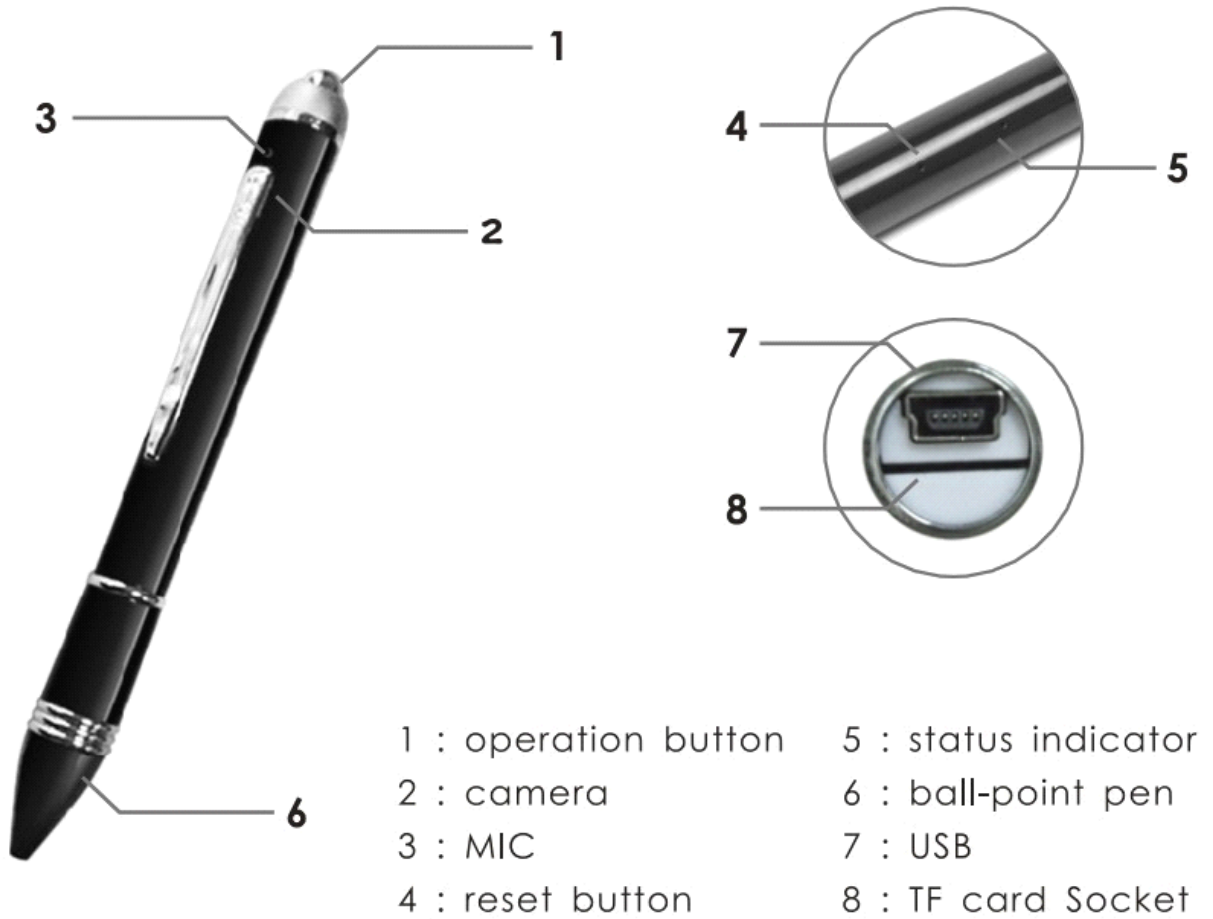
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2.Introduction

This ball-Point Pen is a high-definition video recorder ,You can Recording High-definition video and photo,with simple operation ,elegant design ,small size ,it is easy to carry, it is an essential utility in business .education .security .media . Justice. Tourism.health care.living and other field.

3.Operating

A.parts Description:

a.1 Indicator :Part(5) is status indicator .Blue light is a photo mode indicator ; Red light is video model indicator.

a.2 Micro SD Socket: Part (8) is Micro SD (TF) Card Socket.Insert the Card With direction arrow Please.

a.3 Button(1):Press the button to turn on.turn off. Start.stop.video recording. Sound recording.

a.4 Socket:USB socket(7)is used to connect computer or charger .It is the Interface for data transfer and charging.

a.5 Microphone and camera :Microphone(3)is used to get the sound signal; Camera(2)is used to get the image signal.

a.6 Reset: If the video recorder stops responding.please use the suitable non-Metallic tool to push the reset button(4).

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a.7 Ball-point pen:part(6)use for writing.

B.ON/OFF :

Press the button(1)to turn on the device. Then the blue light is on,The device begin initialzation ,After initialzation complete,The blue light is off,the red light is on.The device enters into the video recording mode,press the button for 4 seconds,all lights will be turned off.The device will automatically save the current file and shutdown.

Note:Don`t press any button when the device is initialzing,The device will **not** response it.

C.Record video:

Press the button in different methods.the Product will enters the different mode .

The methods as follows:

c.1 Normal Video recording: After starting up, this device enters video recording mode defaultly. When the red light is on constantly, it indicates the device is under stand-by mode. The red light flashes as the device is recording video.

Note: Make sure there is adequate light in the surrounding and the camera is not blocked by other items,keep the camera upright and stable,And the object should be more than 50cm from the camera,in order to ensure good sound effect of recording ,do not block the microphone hole.

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c.2 Video Recording Triggered by Motion Detecting: This feature is being initialized when red and blue light turn on at the same time, then the red light keeps on indicating the recording starts up. To enter Motion Detecting mode, long press button 1 for 2s until the light turns from red to both red and blue .When this device entered the mode, the blue light is on constantly while the red light flashes. When the video recording stopped, the red and blue light shall be back to the status that both red and blue light turn on. Please note the device shall not turn off automatically. To exit this mode, please press button 1 for 2s to power off the device.

Note: this product's motion detecting function quite sensitive, in the process of transformation by machine to tremble, and the opportunity to be automatic into video so photography state, to be fixed in a position to enter a standby mode, when someone or object area above a certain range and speed movement, the camera can sense a change of scene monitoring area, and then based on the parameters set in work, judge whether start to camera, if the picture changes value is less than or equal to stop value, then the camera will in time to stop camera.

c.3 Recording at any time: Connect the normal/emergency charger to enter video recording mode

D.PC camera: Connect this device to PC via USB cable, then it enters removable

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disc status. Under removable disc mode, it can be switched into PC Camera mode, user may use this device as a normal PC camera to communicate, take photo snatches etc.

E.Connect the computer :In standby or off mode,you can connect the device With the computer.The computer will pop up a removable disk logo.

There is an image file directory for :*Disk\VIDEO;During video recorder and Computer transfer data,the red light flashes rapidly,for the disconnection,

Please click"SAFELY REMOVE HARDWARE"on the right bottom corer of The task bar.then click to stop the "USB mass storge device".unplug the USB. The disconnection completes.

Note:According to the computer or system configuration,there will be slight Difference for the time of identifying removable disk.please be patient.During This period,please do not press the button to avoid the bad impact of computer Hardware ,If the computer does not identify the removable disk long time . Disconnect and reconnect the device ,If the computer is unable to identify the Hardware yet,make sure your operating system.driver and USB cable are all In normal condition ,please make sure to disconnect the device in accordance With the normal process to avoid the possible damage for computer and recorder.

F:Charge:Connect to computer USB interface or charger.During the charging,the

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red light flashes slowly.when the battery is fully recharged,the red light stops flashing.

Note:The recorder is with built-in high-capacity lithium polymer battery.The battery is with no memory effect,It can be used and charged at anytime.But for the initial five times of charging,please charge battery to saturation after the battery and maintain the standard working time.In order to maximize the capacity of storage battery,please continue to charge for 30 minutes to 1 hour after the indicator Light long bright.

G:Time Settings: Recording time displays on the video files being recorded. There is a text format file which can be created when starting up the device. The format is: YY:MM:DD/HH:MM:SS. The adjustment is available for changing the time/date according to your demands.

H.Troubleshooting:When the storage space is insufficient,the blue light and red light flashes alternately about 5 seconds,then automatically save the current files and shut down,If you want to continue to use this video recorder,copy the necessary Files to computer and delete the old documents in storage in order to free up enough storage space;when the battery is insufficient,the blue and red light flash Alternately about 5seconds,then automatically save the current files and shut down If you want to continue to use the recorder,please charge the battery.If the video

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Recorder stops responding due to improper operation or other unexpected reason.

Please use the suitable non-metallic tool to push the reset button.

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4. Parameters :

Item	Parameters
Video format	AVI
Video encoding	M-JPEG
Video resolution	1280 x 960
Sound Sample Rate	24kHz
Picture format	Jpg
Media playing software	Attached software of the operating system or Mainstream audio and video Media playing software
The ratio of image	4:3
Supporting system	Windows me/2000/xp/2003/vista ; Mac 10.4 ; Linux ;
Charging voltage	DC-5V
Interface type	Mini 5 pin usb
Storage support	Nand flash
Battery type	high-capacity lithium polymer

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5.Warning:

Application: Please strictly abide relevant regulations and laws.this product should Not be used for any illegal purposes.The user is fully responsible for its using Purpose.

Battery: If do not use this recording function after long time please charged it fully Before using.

File security:This product is not a professional storage device,It does not guarantee The integrity and security of saved files.please back up your important documents on the computer or other storage device timely.

Video quality:This product is not a professional video recording device. It does not Guarantee the video effect can meet your expectations.

Operating temperature:0-40℃.

Operating humidity:20％-80％.This product does not have the waterproof function.so it can not work under the humid environment.

Shooting brightness: Do not expose the camera directly to strong light.such as the sun light,to avoid damage to optical devices.

Cleaning: Do not use it under the environment with high dust density to avoid the Contamination of camera lens or other camera lens can be cleaned gently by paper Or cloth which is used to clean glasses.
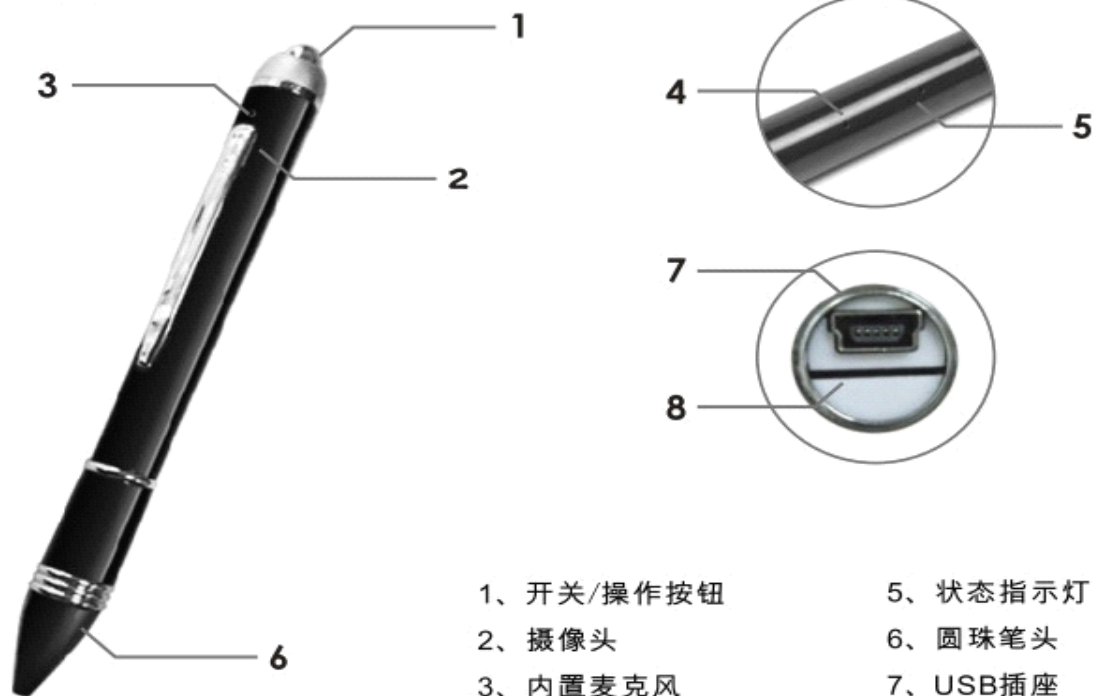
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Other matters:The product belongs to sophisticated electronic products .please make sure that it is not damaged by strong impact impact and strong vibration. Do Not use it in the place with strong magnetic or strong electric power.

Note:please contact with your local dealer for other matters.

1. 总览

1、开关/操作按钮   5、状态指示灯

2、摄像头   6、圆珠笔头

3、内置麦克风   7、USB插座

4、复位孔   8、TF卡插口

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2.产品简介

本产品是具有高清影音拍摄功能的数码笔,支持大容量 Micro Sd 卡,可以拍摄和存储高画质有声视频和录制高品质声音.具有操作简便,小巧精致.美观实用,便于携带的特点,是商务.教育.安防.媒体.司法.旅游.医疗.生活等领域必备的实用工具,深受广大用户青睐.

3.操作说明

1.各部件说明:

1.1 指示灯说明:图 5 为摄像笔状态指示灯透光孔.状态指示灯由红灯和蓝灯组成,通过不同点亮方式的组合指示摄像笔的工作状态.

1.2 卡座说明:图 8 为 Micro SD(TF)卡插口,请按照图示方向插入存储卡.

1.3 按钮说明:轻触按钮用于开关机.开始和停止摄像.拍照.录音(图示 1).

1.4 插头说明:USB 插座(图示 7),用于连接电脑或者充电器,是进行数据传输和充电的接口.

1.5 麦克风和摄像头:麦克风(图示 3),用来拾取声音信号;摄像头(图示 2),用来拾取影像信号.

1.6 复位孔:复位孔(4)用于在摄像笔停止响应时,通过非金属细针对其进行复位.

1.7 圆珠笔:圆珠笔(6)用于普通书写.

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2.开关机:长按操作键开机,指示灯以及摄像机状态变化方式为:蓝灯点亮,摄像机进入系统初始化过程,初始化完成后,蓝灯熄灭,红灯长亮,过入默认的录像模式;长按操作键 4 秒,红蓝两灯同时熄灭,摄像机将自动保存当前摄录文件并关机.

注意:在初始化的过程中　,摄像机正在为进入正常工作状态作准备,将不响应初始化期间进行的任何操作.

3.切换功能:在开机状态下,通过按键的不同操作,产品即可进入不同的功能模式,实现不同的功能,具体功能切换方法如下:

3.1 普通摄像:普通摄像功能的指示灯状态分别为待机红灯长亮,工作时红灯闪亮.开机时默认进入摄像功能.

注意:请在有充足照明的环境下,确保摄像头没有被遮挡,保持摄像机机身的坚直与稳定,并与被摄景物保持 50CM 以上的距离,以得到方向正确,色彩自然,图像清晰,画面稳定的影像,为了保证良好的录音效果,请勿遮挡住麦克风拾音部位.

3.2 移动影像触发摄像:影像触发摄像功能的指示灯状态为红灯和蓝灯同时点亮,然后红灯开始闪亮,进行拍摄..要进入该功能,需要在待机模式下长按 2 秒按键,等待指示灯从红灯变为红蓝灯时松开按键,摄像机立刻进入了影像触发模式的待机状态,此时红灯闪亮,蓝灯继续保持长亮.停止摄像后,红灯和蓝灯恢复同时长亮.该模式下,摄像机不会自动关机.要退出该模式,请直接长按

按键 2 秒钟,关闭产品电源.

注意:此款产品的移动侦测功能相当敏感,在转换的过程中因机器有所颤动,所以摄影机会自动进入录影状态,待固定在某一位置后自动进入待机模式,当区域内有人或物体超过一定幅度和速度进行运动时,摄像机能感知到监控区域场景的变化,再根据事先设定的工作参数,判断是否开始自动摄像,如果画面的变化值小于或等于停止值,那么摄像机将会在一段时间后停止摄像.

3.3 边充边录:摄像机在任何模式下,连接上专用的充电线或者应急充,都可进行边充边录.

4.PC 摄像头:将摄像机使用 USB 数据连接电脑,进入读盘模式后,轻按开关键,即可从读盘模式切换至 PC 模式,你可以将摄像机作为电脑摄像头使用,与好友网上视频聊天,拍摄大头贴,等等.

5.连接电脑:在关机状态或者待机状态时,可以连接电脑,此时,电脑装会弹出可移动磁盘标识,影像文件保存目录为:*盘\VIDEO;当摄像机与电脑交换数据时,红灯会闪烁;需要卸载摄像机时,请点击任务栏右下角的可移动设备管理图标,在里面卸载该可移动存储设备,待系统确认可以安全拨出硬件后,再断开摄像机与电脑的连接.

注意:根据电脑配置或者系统差异.识别可移动磁盘的时间会稍有不同,请耐心等待,此期间最好不要进行摄像机的操作,以免对电脑识别硬件造成影响.如果长时间未识别到可移动磁盘,请尝试重新插入.如果仍旧无法识别该硬件,

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请确认你的操作系统, 驱动程序, USB 接口, 连接线是否都正常; 请按照规范的流程卸载硬件, 以免对电脑或者摄像机造成损害.

6. 充电: 连接电脑 USB 接口或者充电器, 即可对摄像机进行充电, 当电池处于充电状态时, 红灯闪烁, 当电池充满后, 红灯变为长亮.

注意: 摄像机内置高容量聚合物锂电池, 无记忆效应, 可随用随充, 但最初使用的前五次, 请将电池用完后再充电至饱和, 以激活电池最大容量, 获取标准工作时间, 为了让电池储电能力最大化, 每次充电时, 请在指示灯长亮后继续保持充电 30 分钟到 1 个小时.

7. 设置时间: 摄像机提供了在视频文件中显示录像时间的功能, 时间的文本文档名为: time.txt　该文档会在插卡开机后自动生成. 时间显示格式为: 年 月 日 时 分 秒 . 你可以根据实际需要设置的时间值来设置.

8. 异常处理: 摄像机存储空间不足时, 将在蓝灯和红灯同时闪烁约 5 秒后, 自动保存当前影像文件并关机. 如果你要继续使用摄像机, 请在电脑上备份重要的影像文件, 并删除存储器内的旧文件, 以腾出足够存储空间; 摄像机电池余量不足时, 将在蓝灯和红灯交替闪烁约 5 秒后, 自动保存当前影像文件并关机. 如果你要继续使用摄像机, 请先充电.

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4.相关参数

项　目	相关参数
视频格式	AVI
视频编码	M-JPEG
视频分辨率	1280 x 960
播放软件	操作系统自带或主流影音播放软件
照片格式	Jpg
录音采样率	24kHz
影像比例	4:3
支持系统	Windows me/2000/xp/2003/vista；Mac 10.4；Linux；
充电电压	DC-5V
接口类型	Mini 5 pin usb
存储支持	Nand flash
电池类型	高容量聚合物锂电

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5.注意事项

使用场合:请严格遵守国家相关法令,不得将此产品用于非法用途,否则后果自负.

关于电池:随着使用时间增长,电池工作时间会有所缩短,长久未使用,请在使用前先充满电.

文件安全:本产品非专业存储设备,不保内部存储文件的完融性和安全性,请即时在电脑或者其它存储设备上备份您的重要文件.

摄录品质:本产品非专业摄录设备,不保证所摄文件的效果能达到您的期望.

工作温度:0-40℃.

工作湿度:20％-80％,请勿将产品置于潮湿的工作环境,产品不具备防水功能.

拍摄照度:请勿将摄像头直接对着太阳等强光源,以免光学器受到损伤.

保洁要求:请勿在粉尘密度过大的环境下使用,以免镜头以及其它部件沾染粉尘,影响摄像效果,镜头可以用擦镜纸或眼镜布轻轻擦试,保持洁净.

其它事项:该产品属于精密电子产品,请勿使其受到强烈冲击,震动;请勿在强磁强,强电场下使用.

补充说明:其他未明事宜请与当地经销商联系.