PHILIPS

VideoTracer

音视频记录仪

VTR8202

使用手册

User manual

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1 欢迎

欢迎来到飞利浦世界！您能选择和购买飞利浦的产品，我们非常高兴。您可在我们的官方网站上获得飞利浦公司的全方位技术支持，如：使用手册、软件下载、保修信息等。

www.philips.com

1.1 产品特点

- 一键录音：仅仅按下录音键即可实现录音，再按一下录音键保存录音。
- 一键录像：仅仅按下录像键即可实现录像，再按一下录像键保存录像。
- 一键回放：在预览界面下，短按右键回放当前最新录制文件。
- 语音播报：开启语音播放功能，机器就可以进行语音播报。
- WIFI 远程控制：连接手机可远程操控机器录像、录音和拍照，并支持在线播放，支持本地下载并分享。
- 支持红蓝爆闪灯，快速闪烁起到警示作用。
- 超大广角镜头，录像无死角。
- 超大光圈镜头，进光量更充足，画面更清晰通透。
- 双滤光片切换器，白天不偏色，夜晚更清晰。
- 字符叠加功能，所有视频和照片都附加时间、产品编号、使用者编号等信息，无法剪辑，更具法律证据效力。
- 超长文件名，所有录像文件的文件名都包含产品编号、时间、使用者编号等信息，方便数据存档、检索。
- 录像资料自动分割保存，防止误操作造成资料丢失。
- 外置存储卡，最大支持 256G。
- 高清扬声器：采用高品质喇叭，无论播放录音文件或录像文件，都给人身临其境的享受。
- 以常见的 MP3 格式录音。
- 使用高速 USB 2.0 快速存取录音文件和数据。
- 可作为大容量的 USB 存储设备，确保最大的兼容性。
- 可调节任意角度的阻尼轴背夹，佩戴灵活可靠。

2 重要须知

2.1 安全

注意

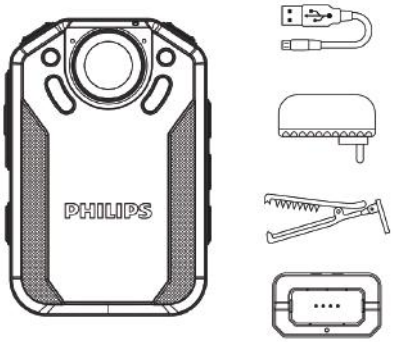
- 请注意，切勿挤压电缆，特别是插头处。

小心

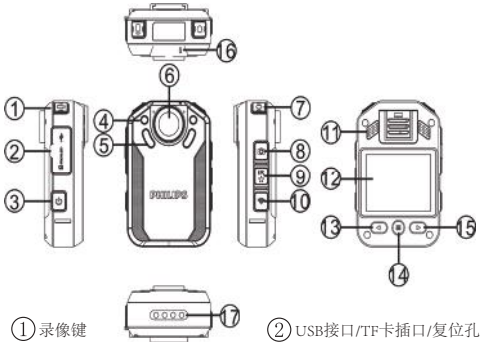
- 特别声明：使用本产品前请仔细阅读本说明书，如因人为操作或不可抗力因素而导致数据丢失，本公司一概不予负责。特别提醒用户小心操作，注意将资料另外备份。
- 图像仅作参考。飞利浦保留更改颜色 / 外观 / 设计 / 参数 / 产品功能的权利，硬件、软件、APP 如有更新，恕不另行通知。

3 您的音视频记录仪

3.1 供货范围：



3.2 主机概览：



① 录像键
② USB接口/TF卡插口/复位孔
③ 电源开/关
④ 光敏
⑤ 红外灯
⑥ 镜头
⑦ 录音键/白光灯开关
⑧ 拍照键/爆闪灯开关
⑨ 星标/红外灯开关
⑩ WIFI开关
⑪ 扬声器
⑫ 屏幕
⑬ 上键/快退
⑭ 菜单键/返回键
⑮ 下键/快进
⑯ 指示灯
⑰ 充电座连接口

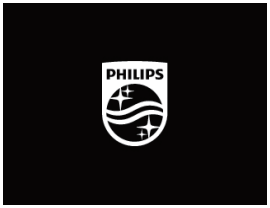
4 开始使用

4.1 开 / 关机

注意

- 第一次使用机器时，请对该机器充电三小时以确保机器有电工作！

关机状态下，长按开机键 3s 开机，然后显示飞利浦图标，如下图所示：



然后机器进入预览界面，如下图所示，预览状态下，工作状态指示灯亮绿灯，在此界面短按菜单键，机器回到设置界面。长按“◀”或“▶”键缩小或放大预览界面，实现数码变焦功能。

提示

- 本机使用不可拆卸锂电池供电，如果长时间不使用音视频记录仪，请长按开关机键 3s 关掉机器。
- 如果音视频记录仪无法正常工作，请确认机器是否已没电。
- 机器工作过程中，请勿直接把外置卡拔出，否则会损坏文件或导致机器导常。
- 当电量指示标志为“▬”时，请及时充电。

4.2 充电方法

使用 USB 数据线将本机和出厂配备的充电器进行充电，充电过程中充电指示灯常亮绿色，充满后熄灭。

提示

- 本机充电可以使用关机充电和开机充电的方式，一般情况下，关机充满电需要 4 小时左右（建议关机充电）。
- 充电座只适合于充电，不支持传输数据。

4.3 连接电脑

音视频记录仪可作为大容量的 USB 存储设备连接设备，音视频记录仪会自动显示为可移动设备。连接电脑图标如下图所示。

提示

- 在文件移入或移出机器时，请不要断开机器与电脑的连接。

5 录像

当您初次使用音视频记录仪录像时，请注意本节中的内容说明！

(1) 在摄像预览状态下，短按录像键开始录像，状态指示灯将红灯闪烁。

(2) 短按录像键结束录像，红色指示灯灭，并回到摄像预览状态界面，状态指示灯亮绿色。

(3) 在预览界面长按“◀”或“▶”键缩小或放大，实现数码变焦功能。

(4) 在黑夜或者光线暗的环境下录像时，如果红外切换为手动切换，可以长按 IR 键，此时红外灯开启进入到夜视摄录模式， 画面颜色为黑白模式。长按录音键，照明灯将打开，补充光源。

(5) 按“拍照”键可以抓拍当前摄录画面。

(6) 录像过程中短按星标键，文件将会标记为重要文件，循环录像打开时，标记的文件不会被删除。

(7) 录像参考界面如下如所示：

录像界面说明

① 录像分辨率
② 录像画面
③ ID 号水印
④ 系统当前日期
⑤ 录像状态
⑥ 电量指示
⑦ 卡剩余容量

注意

- 电池标记符显示空格时，表明低电。低电时系统会自动关机。如果正在录像或者录音，系统自动保存录像或者录音文件后再关机。电量不足时，请及时充电。低电关机时显示屏会有相应的提示，显示屏的提示图标如下所示。

提示

- 录像前，请先设置所需的录像参数。
- 请先删除一些不必要的文件再录。

6 拍照

当您初次使用音视频记录仪拍照时，请注意本节中的内容说明！在摄像预览状态下，直接按拍照按键进行拍照，拍照时红色指示灯亮，并发出“咔嚓”一声，在黑夜或者光线暗的环境下拍摄需要开启机器红外灯或补光灯进行拍摄。在录像状态下，按下拍照按键可以抓拍当时摄录照片。

7 录音

当您初次使用音视频记录仪录音时，请注意本节中的内容说明！

(1) 在摄像预览状态按下“录音键”开始录音；工作状态指示灯将亮黄灯； 请将内置麦克风对准音源。

(2) 按下“录音”键结束录音，并回到预览界面。

录音参考界面如下图所示：

录音界面说明

① 录音状态 ② 当前录音时长 ③电量指示

提示

- 录音前，请先设置所需的录音灵敏度。
- 请先删除一些不必要的文件再录。
- 请先测试录音，以确认音视频记录仪设置是否正确。
- 在录音或者录像过程中禁止直接将卡拔出，否则可能导致文件损坏。
- 录音或者录像时请勿断电，否则这会导致音视频记录仪故障，文件丢失或文件损坏等问题。
- 如果需要长时间使用，请在录音前充电。

8 一键回放模式

请注意本节中的内容说明：在摄像预览状态下，录像保存后，短按“▶”键，音视频记录仪将直接播放你刚刚摄录的录像文件。录音保存后短按“▶”键， 音视频记录仪将直接播放你录的录音文件。机器刚刚开机启动，一键回放功能默认为播放最近摄录的录像文件。

9 红蓝爆闪功能

在待机状态下，长按机器拍照鍵开启红蓝爆闪功能，此时机器发出警报声并亮警示灯，“警示灯”由红蓝两种指示灯交替闪烁。开启红蓝爆闪功能后，长按拍照鍵关闭警报声，再次长按拍照鍵关闭警示灯。

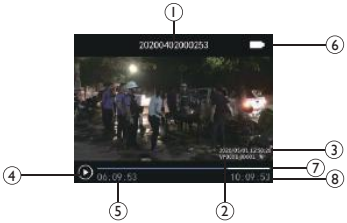
10 视频模式

在摄像预览状态界面中，你可以使用“◀”键进入查阅回放界面，按“◀”或“▶”键，选择视频选项，然后短按菜单键确认进入视频文件列表界面，视频文件列表参考界面如下图所示：

按“◀”或“▶”键选择需要播放的视频文件，短按菜单键进入视频播放界面，视频播放参考界面如下图所示：

文件的删除需通过连接电脑才可以进行。

录像文件播放界面说明：



① 文件名	⑤ 当前时间
② ID 号水印	⑥ 电量指示
③ 系统当前日期	⑦ 进度条
④ 播放状态	⑧ 文件总时间

10.1 视频播放

(1) 按“◀”或“▶”键，选择要播放的文件。

(2) 按“菜单”键开始播放，工作状态指示灯将亮绿灯。

(3) 播放过程中，按“菜单”键暂停播放，再次按下“菜单”键，将继续先前位置的播放。

(4) 播放时短按“◀”或“▶”键，可选择 2 倍，4 倍，8 倍，16 倍，32 倍，64 倍，128 倍快退或快进当前正在播放的文件。

11 照片模式

在摄像预览状态界面中，你可以使用“◀”键进入查阅回放界面，按“◀”或“▶”键，选择拍照选项，然后短按菜单键进入拍照文件列表界面，拍照文件列表参考界面如下图所示：

按“◀”或“▶”键选择需要播放的照片文件，短按菜单键进入照片浏览状态，按“◀”或“▶”键切换照片。

12 语音模式

在摄像预览状态下，你可以使用“◀”键进入查阅回放界面，按“◀”或“▶”键，选择录音选项，然后短按菜单键进入语音文件列表界面，语音文件列表参考界面如下图所示：

按“◀”或“▶”键选择需要播放的音频文件，短按菜单键进入语音播放界面，语音播放参考界面如下图所示：

语音文件播放界面说明：

① 文件名
② 播放进度条
③ 当前播放时长
④ 电量指示
⑤ 文件总时长

12.1 语音播放

(1) 按“◀”或“▶”键，选择要播放的文件。
(2) 按“菜单”键开始播放，工作状态指示灯将亮绿灯。
(3) 播放过程中，按菜单键暂停播放，再次按下菜单键，将继续播放。

13 设置模式

在摄像预览状态界面按下菜单键，系统将会进入功能设置界面。功能设置包括：录音设置，录像设置，拍照设置和系统设置。按“◀”或“▶”键选择，短按菜单键进入选中的选项，长按菜单键返回到上一级菜单。

13.1 录音设置

按“菜单”键进入功能设置，按“◀”或“▶”键选择录音设置菜单栏，按“菜单“键选择，弹出：高、中、低 选择不同的麦克灵敏度可以达到不同的录音效果。

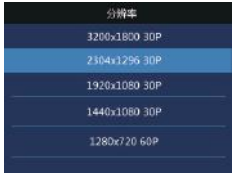
13.2 录像设置

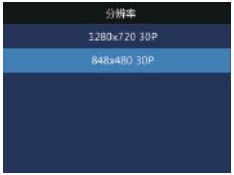
录像设置菜单栏包括：分辨率，视频质量，视频预录，视频延录。按“◀”或“▶”键选择所需设置的选项，然后按菜单键进入。

13.2.1 分辨率

录像分辨有3200*1800 30P、2304*1296 30P、1920*1080 30P 1440*1080 30P、1280*720 60P、1280*720 30P、848*480 30P七种分辨率，多种录像分辨率选择，可满足大部分应用场合，按“◀”或“▶”键选择合适的分辨率，选择完成后按菜单键确定，长按菜单键可返回上一级菜单。

参考界面如下图所示：





13. 2. 2 视频质量

在视频质量菜单中有三种画质可供选择:“超精细，良好，正常”。根据不同的需求选择不同的画质效果，画质越好，相同录像时间所占的内存越大。

13. 2. 3 视频预录

使用视频预录功能，你可以提前录制事件触发前十几秒的画面，视频预录有关闭和打开两种选择，按“◀”或“▶”键进行选择，选择完成后按菜单键确定，长按菜单键可返回上一级菜单。
预录时间：约 17 秒。

13. 2. 4 视频延录

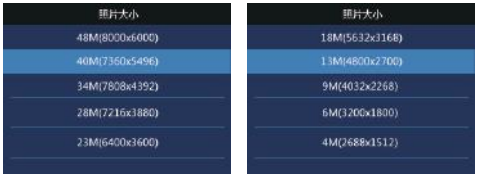
使用视频延录功能，你可以在按下按键保存录像后继续摄录设定的时间，视频延录设置关闭、5 秒、10 秒、20 分钟、30 分钟五个选择，按“◀”或“▶”键进行选择，选择完成后按菜单键确定，长按菜单键可返回上一级菜单。

13. 3 拍照设置

拍照设置菜单栏包括：照片大小，照片质量，连拍。按“◀”或“▶”键选择所需设置的选项，然后按菜单键进入。

13. 3. 1 照片大小

拍照照片的大小有 48M（8000x6000）、40M（7360x5496）、34M（7808x4392）、28M（7216x3880）、23M（6400x3600）、18M（5632x3168）、13M（4800x2700）、9M（4032x2268）、6M（3200x1800）、4M（2688x1512）这十个级别，按“◀”或“▶”键选择合适的分辨率，选择完成后按菜单键确定，长按菜单键可返回上一级菜单。参考界面如下图所示：



13.3.2 照片质量

在照片质量菜单中有三种画质可供选择:“超精细,良好,正常”。根据不同的需求选择不同的画质效果，画质越好，照片所占的内存越大。

13.3.3 连拍

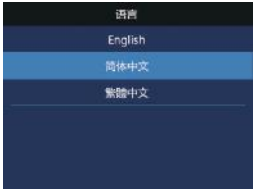
连拍是指在取景预览模式下或在录像过程中，按一次拍照键机器能够连续拍摄照片。
在拍照设置菜单中,选择“连拍”菜单,再按菜单键进入连拍菜单。连拍设置可以设置关闭、3 张、5 张、10 张、20 张五个选择，按“◀”或“▶”键选择合适的连拍张数，选择完成后按菜单键确定，长按菜单键可返回上一级菜单。

13.4 系统设置

系统设置菜单栏包括：语言，默认设置，屏亮度，系统时间，自动关机，自动关屏，音量，车载模式，循环录像，车载录音，分段录像，按键音，指示灯，红外切换，语音播报，整点播报，移动侦测，曝光补偿，WIFI，ID 号和系统信息。按“◀”或“▶”键选择所需设置的选项，然后按菜单键进入。

13.4.1 语言

在语言选择菜单中，你可以选择一种语言作为系统语言。语言选择参考界面如下：



13.4.2 默认设置

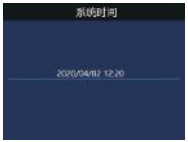
使用此功能，你可以重置机器的设置选项。

13.4.3 屏亮度

使用此功能，可以根据需要调节显示屏的亮度。屏亮度设置可以设置高、中、低三个级别，按“◀”或“▶”键选择合适的选项,选择完成后按菜单键确定,长按菜单键可返回上一级菜单。

13. 4. 4 系统时间

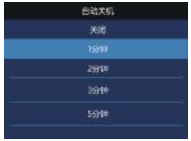
系统时间设置界面，参考图片如下：



在此界面下，按菜单键与“◀”或“▶”键可以设置实时时间。按“◀”或“▶”键改变相应位置数值，短按菜单键确认，长按菜单键返回上一级菜单。

13. 4. 5 自动关机

如果在设定的时间内没对机器做任何操作，系统将会自动关机。自动关机设置参考界面如下：



13. 4. 6 自动关屏

自动关屏时间有四种时长可供选择：关闭、30 秒、1 分钟、3 分钟。如果在设定的时间内没对机器做任何操作，显示屏将会自动灭。如果选择“关闭”，显示屏将会常亮。

13. 4. 7 音量

使用此功能，你可以设置机器的输出音量。
音量设置可以从 0~10 之间 11 个数值选择，按“◀”或“▶”键选择合适的音量值，选择完成后按菜单键确定。

13. 4. 8 车载模式

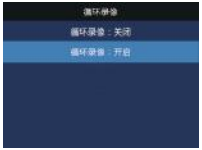
车载模式选择“开启”后，“循环录像”和“车载录音”这两个菜单选项变为可选；当车载模式选择“关闭”后，“循环录像”和“车载录音”这两个菜单选项变为灰色，不可选；车载模式默认出厂值为“关闭”；“车载录音”默认出厂值为“关闭”。

13. 4. 9 循环录像

在录像设置菜单中，选择“循环录像”菜单，再按菜单键进入

循环录像菜单。有关闭和开启两种选择，按“◀”或“▶”键进行选择，选择完成后按菜单键确定，长按菜单键返回上一级菜单。

参考界面如下图所示：

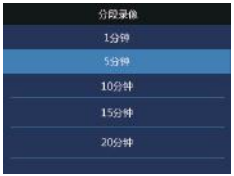


13. 4. 10 车载录音

使用此功能，你可以选择是否需要录下车内的声音。

13. 4. 11 分段录像

视频分段有 1 分钟、5 分钟、10 分钟、15 分钟、20 分钟和 30 分钟六个级别，在录像过程中，视频分段在所设定的时间自动将视频文件分段保存并自动进入下一个文件录像，并且是无缝切换。视频分段功能参考界面如下图所示：



13. 4. 12 按键音

使用此功能，按键操作将会有声音提示。

13. 4. 13 指示灯

使用此功能，你可以根据需要打开或者关闭状态指示灯。

13. 4. 14 红外切换

在系统设置菜单中，按“◀”或“▶”键选择“红外”菜单，再按菜 单键进入红外切换菜单。红外切换可以设置手动、自动两种选择， 选择完成后按菜单键确定，长按菜单键可返回到上一级菜单。

13.4.15 语音播报

开启功能，机器对指定操作进行语音播报提示。

13.4.16 整点播报

开启语音播报功能后，才能开启整点播报功能，机器对整点时间进行语音播报提示。

13.4.17 移动侦测

音视频记录仪开启移动侦测后，短按录像键，当有物体进入音视频记录仪拍摄范围内后自动开启录像功能，物体离开音视频记录仪拍摄范围内大概过了 10 秒后结束录像功能并保存录像文件。移动侦测功能设置可选择：关闭 ，开启。

13.4.18 曝光补偿

曝光补偿是一种曝光控制方式，曝光补偿可以让照片更明亮或者更昏暗的拍摄手法。可以根据自己的想法调节照片的明暗程度，创造出独特的视觉效果等。
曝光补偿设置可以从 -2.0~+2.0 之间 13 个数值选择，按“◀”或“▶”键选择合适的曝光值，选择完成后按菜单键确定。

13.4.19 WIFI

开启 WIFI 功能，连接手机可远程操控机器录像、录音和拍照，并支持在线播放，支持本地下载并分享。

13.4.20 ID 号

ID 号设置界面，参考图片如下：

在此界面下，按菜单键与“◀”或“▶”键可以设置机器的设备编号和用户编号。按“◀”或“▶”键改变相应位置数值，短按菜单键确认，长按菜单键返回上一级菜单。

13.4.21 系统信息

系统信息菜单中包括：总存储容量，可用空间，可用录像时间，

可用录音时间，电池电量和版本号。
总存储容量：本机内存大小信息。
可用空间：剩余空间信息。
可用录像时间：当前录像分辨率可录像时长。
可用录音时间：当前录音类型可录音时长。
电池电量：当前电池电量信息。
版本号：固件版本信息。

14 安装下载 APP

安卓手机描此二维码，安装下载 APP，安装过程中弹出的权限，请都点击“允许”项，否则不能使用，个别手机需要关闭“移动网络”才能连接使用，请知悉。

14.1 连接使用

第一步：记录仪开机后，短按 Wifi 键打开 Wifi，图标显示白色，参考界面如图所示：

第二步：打开手机 APP，第一次打开手机 APP 时，手机 APP 界面会有一个“引导提示”界面，点击引导界面上的“下一步”按钮，进入手机 APP 连接界面，如下图所示：

第三步：点击手机 APP 界面上“开始连接”按钮，进入手机 WLAN 列表界面，手动连接 VTR8202 网络，并输入密码“88888888”连接成功后显示“已连接（不可上网）”，此时机器端 WiFi 图标显示绿色，按手机返回键回到手机 APP 连接界面，界面显示“记录仪已连接”如下图所示：

注意

由于不同品牌手机，不同版本系统的差异性，连接 APP 使用时会有不同的提示及要求，当记录仪与手机 APP 连接不成功时，请检查手机的设置：

1. 检查手机的移动网络是否为关闭状态，需要设置为关闭；
2. 检查手机设置里的 WIFI“双通道网络加速”是否为关闭状态，需设置为关闭；
3. 手机设置的 WIFI 助理处“智能选择 wifi 或移动网络”设置为关闭。

提示

1. 当记录仪与手机 APP 连接成功后，APP 界面弹出“WLAN 连接不可上网，是否智能地切换到其它网络？”时，请选择“否”/“不使用”/“保持连接”等，不同手机弹出的提示会不一样。
2. 记录仪与手机 APP 连接使用时，如果弹出提示“无法连接到服务器，请检查你的网络设置”时，请忽略，因为这是正常的，手机连接的是记录仪的 WIFI。

14.2 APP 功能介绍

1. APP 设置

主界面选择“设置”可以连接设置，参数设置，关于应用声明。连接设置可以修改记录仪 WiFi 和密码。参数设置，记录仪参数设置包括录像分辨率，照片大小，曝光，同步时间，软件版本，更改参数后手机发送指令给记录仪，并转成相对应的参数。

2.APP 画面预览

连接 APP 后，在主界面选择“画面预览”手机会进入预览界面，记录仪界面出现“WIFI CAM”字符。APP 画面预览包括 APP 操作录像，APP 操作录音，APP 操作拍照功能。APP 画面预览界面如下图所示：

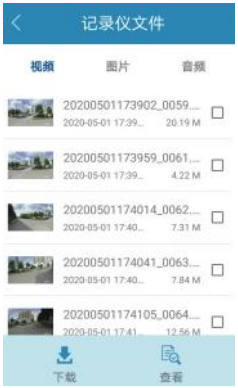
APP 操作录像，连接 APP 后，在主界面选择“画面预览”手机会进入预录界面，记录仪界面出现“WIFI CAM”字符，此时点击 APP 上录像图标，记录仪开始录像，再次点击图标保存录像。APP 操作录像界面如下图所示：

APP 操作录音，连接 APP 后，在主界面选择“画面预览”手机会进入预录界面，记录仪界面出现“WIFI CAM”字符，此时向右滑动到录音界面点击 APP 上录音图标，记录仪开始录音，再次点击图标保存录音。APP 操作录音界面如下图所示：

APP 操作拍照，连接 APP 后，在主界面选择“画面预览”手机会进入预录界面，记录仪界面出现“WIFI CAM”字符，此时向左滑动到拍照界面，点击 APP 上拍照图标，记录仪进行拍照。

3.APP 端记录仪文件

点击主界面“记录仪文件”图标，进入界面可以下载，查看记录仪中的录像，录音和拍照文件。APP 端记录仪文件界面显示如下图所示：



APP 文件下载：手机 APP 在与记录仪连接的状态下，APP 可以把记录仪中的录像，录音，拍照文件下载到手机上。选择您需要下载的文件，点击 APP 上的下载图标，手机端会显示文件下载百分比，参考图如下所示：

4. APP 已下载文件

APP 主界面选择“已下载文件”图标，界面显示已下载的视频，图片和音频，可以选择分享和删除。参考如下图所示：

提示

1. 进入APP画面预览界面时，如果手机和记录仪距离在2米内，由于声音串扰手机会发出啸叫声，此时您可以将手机音量适当调小，可以消除此声音。
2. 因环境因素和不同品牌手机差异，为了更好的操作，请保持设备与手机在有效的距离内。
3. APP操作记录仪工作，超出有效距离时，APP断开，记录仪端录像，录音继续，此时需要手动操作记录仪端“录像”“录音”按钮，保存录像，录音文件。

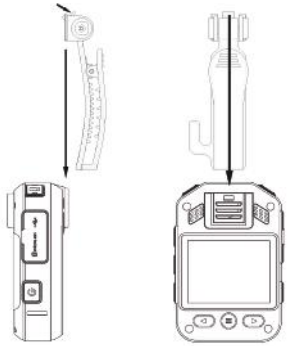
注意

1. 当机器低电时，机器端WIFI自动与APP端断开连接；
2. 机器端打开移动侦测后，APP端控制机器录像，此时移动侦测不起作用；
3. APP控制机器录像不支持3200*1800 30P分辨率。

15 背夹的装取

① 如需装上背夹，手握主机，另一手持背夹，按图示方位将背夹的连接支架对正主机槽口后，缓慢推进背夹直至连接支架顶到主机槽口底部，且连接支架的底部凸起扣进主机凹坑中为止。

② 如需取下背夹，手握主机，另一手持背夹，先用拇指按压图示方位的指定部位，使得背夹的连接支架底部凸起离开主机凹坑后，缓慢推出背夹直至连接支架离开主机为止。



16 常见问题

此处列举了常见问题的解答，可帮助解决音视频记录仪出现的简单问题。如果故障仍无法排除，请咨询经销商或访问我们的官方网站：www.philips.com/support

16.1 无法启动音视频记录仪

电池电量已耗尽请及时充电。

16.2 显示时间 / 日期不正确

音视频记录仪时间不准确，请在菜单上重新设置时间。

16.3 拍照 / 录像图像模糊，不清楚

镜头不干净。请用干净的绒布清洁镜头。

16.4 音视频记录仪无法录音或者录像

音视频记录仪存储空间已满并且未开启循环录像。请删除部分文件或将其移至外部存储设备。

16.5 音视频记录仪无法播放录音或者录像

电池电量已耗尽，请充电。

16.6 音视频记录仪死机后如何处理

你有时在操作中会遇到开不了机，黑屏，操作不了等死机现像，通常处理方法是，复位一下，复位键位置：打开 USB 盖，槽内有一个小孔，用镊子或尖的东西点按一下小孔即可。
注：本操作不会造成文件数据丢失或者损坏。

17 技术参数

17.1 存储器

外置存储空间
参考录音时间（16GB）：录音时间约 290 小时
内置存储器类型：C10 TF 卡
移动存储器 (PC)：是

17.2 尺寸和重量

长 × 宽 × 高：80×53.5×25 (mm)
重量 （含电池）： 124g(不含背夹）

17.3 系统要求

操作系统：Windows 7/8/10/Vista/XP/2000, Mac OS X, Linux
接口：USB 接口

17.4 录音

单声道：比特率为 128kbps，格式为 MP3

17.5 运行条件

温度：-30℃ ~55℃
空气湿度：10% - 90%, 不凝结

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1 Welcome

Welcome to the world of Philips! We are honored by your choice and purchase of Philips' products. You can have Philips' comprehensive technical supports from our website, e.g. user manuals, software downloading and warranty information etc. www.philips.com

1.1 Product features

- One-touch voice recording: Just press the "Voice record" button to start recording, and then press again to save the file.
- One-touch video recording: Just press the "Video record" button to start recording, and then press again to save the file.
- One-touch playback: In the preview interface, press the right button quickly to play the latest recording file.
- Voice broadcast: Turn on the voice broadcast function, and the device can broadcast voice.
- WIFI remote control: The mobile phone can remotely control the device to record video and audio, and take photos. It also supports online playback, local download and sharing.
- Flashing warning light: Fast flashing for warning.
- Super-wide angle lens to get a fuller picture.
- Super-wide angle lens with more charge to get a clearer picture.
- Double-filter switcher for images without color deviation during the day and clearer images at night.
- On-Screen Display function ensures that all videos and photos contain un-editable timing, product serial number and user serial number that ensure legal validity of such evidence.
- Super long file name: All recorded video files contain information such as product serial number, recording time and user serial number, which ensure convenient data storage and retrieval.
- All recorded video files are automatically cut and saved to prevent data loss due to incorrect operation.
- External memory card supports 256G.
- High-definition speaker: Use high-quality speaker to give you a live feel during audio or video play.
- Record in a common MP3 format.
- Access to the audio file and data by using high-speed USB 2.0.
- It is able to be used as a large capacity USB storage device to ensure the maximum compatibility.
- The damper shaft back clip can be adjusted at any angle, which is flexible and reliable to wear.

2 Important Notice

2.1 Safety

Notice

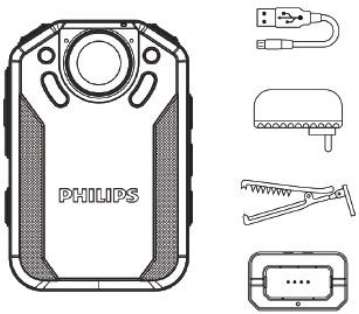
- Protect the cables from being pinched, particularly at plugs.

Warning

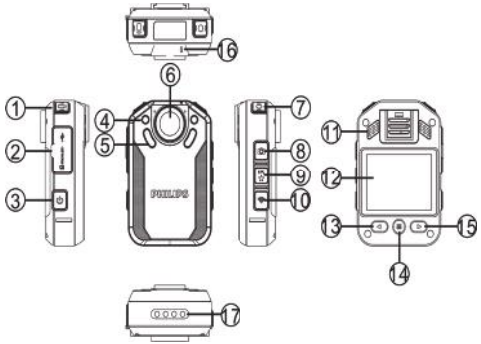
- Special Announcement: Before using the product, please read the Manual carefully. The Company shall not be held liable for any data loss due to incorrect manual operation or force majeure. We specially recommend that users make additional copies of the files in the device.
- Images are for reference only. Philips reserves the right to change the color/appearance/design/parameters/product functions without prior notice.

3 Your Audio/Video Recorder

3.1 What's in the box



3.2 Overview of your audio recorder



① Video recording button
② USB interface/TF card socket/Reset
③ Power on/off
④ Photosensitive
⑤ Infrared lamp
⑥ Lens
⑦ Voice recording/Additional light button
⑧ Photo/Flashing light button
⑨ Star/IR button
⑩ WIFI button
⑪ Loudspeaker
⑫ Screen
⑬ Up/FB
⑭ Menu button/Return button
⑮ Down/FF
⑯ Indicator light
⑰ Charging connection via docking station

4 Start to Use

4.1 Turn ON/OFF

Notice

- Please recharge the device for three hours before using it for the first time!

During shutdown mode, long press the “Turn ON” button for 3 seconds, and the device will be turned on, showing the Philips logo, as shown below:

Then the device enters the preview interface, as shown in the figure below. In the preview state, the working indicator lights up in green. On this interface, press the “Menu” button and the device returns to the setting interface. Long press “◀” or “ ▶” to zoom out or in on the preview interface for digital zoom.

Notice

- This device is powered by a non-removable lithium battery. If you do not use the audio and video recorder for a long time, long press the “Power” button for 3 seconds to turn off the device.
- If the record does not work properly, please check if the device is out of power.
- During the operation please do not pull out the external memory card. Otherwise, damage might be caused to the files or the device.
- When the battery sign shows “ ” , please charge your device in time.

English

4.2 Charging methods

(1)Use USB cable and the connector to charge the device. The device indicator will show green light first, which will be extinguished after the device is fully charged.

Reminder

- The device can be charged either during ON or OFF mode. Normally, during OFF mode charging, it takes around 4 hours for full charging. (we recommend that you use OFF mode charging).
- The docking station is only suitable for charging and does not support data transmission.

4.3 Connecting to computer

The recorder can be used as a large-volume USB storage device, which can be connected to the computer. The recorder will be shown as a portable device. The icon of connecting to computer is shown in the figure below.

Reminder

- When the file are moved from the PC to the VideoTracer, please do not disconnect the device from the PC.

5 Video Recording

When you use the recorder for the first time, please pay attention to the requirements in this section!

(1)On the Preview interface, press the "Video Record" button to start recording and the state indicator flickers red.

(2)Short press the recording button to end the recording, the red indicator will go off, and return to the camera preview interface. The status indicator will be become green.

(3)Long press" ◀ "or " ▶ " on the preview interface to zoom out or in on the preview interface for digital zoom.

(4)When recording at night, in a low light environment or of the infrared is in manual mode, please long press the "IR" button to change to night recording mode. The screen will become black/white. Long press the recording button and the additional light will be turned on to supplement the light source.

(5)Press the "Photo" button to capture the current recording screen.

(6)Short press the "Star" button during video recording. The file will be marked as important file, and the marked file will not be deleted when the loop video files are turned up.

(7)The reference video recording interface is shown below:

Recording Interface Illustration

① Recording resolution
② Video recording
③ ID watermark
④ System current date and time
⑤ Recording mode
⑥ Battery
⑦ Remaining card capacity

English

Notice

- When the battery icon is showing empty, it means low on battery. When the low battery icon occurs, the system will automatically shut down. If you are recording, the system will automatically save the recorded files then shut down. In case of low battery, please charge your device timely. During low battery, the device gives you "Low Battery" notice as shown below.

Reminder

- Before recording, please adjust the recording parameters first.
- Please delete some unnecessary files before recording.

6 Photo

Please note the instructions in this section when you take the first photo with your Video Tracer! On the preview interface, press the “Camera” button to take a photo. While taking a photo, a red light appears with a “Click” sound. If taking a photo in a dark environment, the device needs its infrared lamp or additional lamp to secure good quality videos. During the video recording the user can press the “Camera” button to make a photo.

7 Voice Recording

When you use the device for audio recording for the first time, please read the instructions in this section!
(1)Press the “Voice” button in the video preview state to start recording; the working indicator lights on in yellow; please point the built-in microphone to the voice source.
(2)Press the “Voice” button to end the recording and return to the preview interface.
The recording interface is shown below:

Audio recording interface

① Recording status
② Current recording duration
③ Battery status

Reminder

- Before recording, please adjust the desired recording sensitivity.
- Please delete some unnecessary files before recording.
- Please test the voice recording first to confirm that the audio and video recorder settings are correct.
- Do not pull out the memory card during audio/video recording mode. Otherwise, damage might be caused to the files.
- Do not cut off power during audio/video recording mode. Otherwise, damage might be caused to the recorder and the files might be lost or damaged.
- If you intend to use the device for a long period of time, please charge the device before recording.

8 One-touch Playback Mode

Please note the instructions in this section. On the Preview interface, press the " ▶ " button quickly after the video recording file is saved, the Voice Tracer will directly play the file. Press the " ▶ " button quickly after the voice recording file is saved, the Video Tracer will directly play the file. By default, the one-touch playback will play the latest video recording file as soon as the device is powered on.

9 Flashing Warning Function

In standby mode, long press the “Photo” button to turn on the flashing warning function. At this time, the device will alarm and light up the warning light. The “Warning light” will flash alternately by the red and blue indicator lights. After turning on flashing warning function, long press the “Photo” button to turn off the alarm sound, and another long press to turn off the warning light.

10 Video Mode

On the camera preview status interface, you can use the "◀ " button to enter the review playback interface, press " ◀" or " ▶"to select the video option, and then press the "Menu" button to confirm the video file list interface. The video file list reference interface is shown below:

Press" ◀" or " ▶" to select the video file. Press the "Menu" button to enter the video playback interface. The video playback reference interface is as shown below:

The deletion of the file can be done by connecting to a computer.

Recorded File Playing Illustration:

① File name
② ID watermark
③ System current date and time
④ Recording mode
⑤ Current duration
⑥ Battery
⑦ Progress bar
⑧ Total file length

10.1 Video playing

(1)Press" ◀" or " ▶"to select the file you need to play.
(2)Press the "Menu" button to start playback, and the working indicator will light on in green.
(3)During playback, press the "Menu" button to pause playback, press the "Menu" button again, and the playback will return to the previous position.
(4)Press " ◀" or " ▶"during playback to select 2 times, 4 times, 8 times, 16 times, 32 times, 64 times, 128 times to fast backward or fast forward the currently playing file.

11 Photo Mode

In the camera preview status interface, the " ◀ " button can be used to enter the review playback interface. Press "◀" or " ▶"button to select the camera option, then press the "Menu" button to enter the camera file list interface. The camera file list reference interface is shown below:

Press " ◀" or " ▶" button to select the photo file to be played; press the "Menu" button to enter the photo browsing state, press " ◀" or " ▶" to switch the photo.

12 Audio Mode

In the camera preview state, you can use the " ◀ " button to enter the review playback interface, press the " ◀" or " ▶" button to select the voice recording option, and then press the "Menu" button to enter the voice file list interface. The voice file list reference interface is as shown below:

Press the " ◀" or " ▶" button to select the audio file to be played; press the "Menu" button to enter the voice playback interface. The voice playback reference interface is as shown below:

Audio File Playing Interface Illustration:

① File name
② Progress bar
③ Current duration
④ Battery
⑤ Total file length

12.1 Voice play

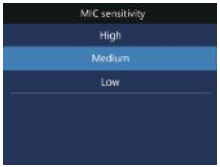
(1) Press " ◀" or " ▶" button to select the file you want to play.
(2) Press the "Menu" button to start playback, the working indicator will light on in green.
(3) During playback, press the "Menu" button to pause playback and press the "Menu" button again to resume playback.

13 Setting Mode

Press the “Menu” button in the camera preview status interface, the system will enter the setting interface. System settings include: voice recording setting, video recording setting, camera setting and system setting.
Press the “ ◀ ” or “ ▶” button to select and press the menu button to enter the selected option. Long press the “Menu”button to return to the preview interface.

13.1 Voice recording

Press “Menu” to enter the setting mode, press “ ◀ ” or “ ▶” to select the voice recording setting “Menu”, press “Menu” to select, and the options of high, medium and low will pop up. Select different levels of microphone sensitivity to achieve different recording effects.

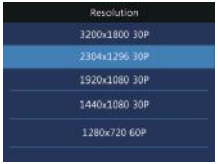


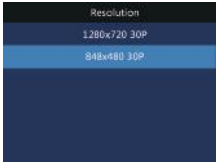
13.2 Recording setting

The video settings “Menu” includes: resolution, video quality, video pre-recording, video delay recording.
Press “ ◀” or “ ▶” to select the option you want to set, and then press the “Menu” button to enter.

13.2.1 Resolution

Video resolution is of seven levels, namely 3200×1800 30P, 2304×1296 30P, 1920×1080 30P, 1440×1080 30P, 1280×720 60P, 1280×720 30P, 848×480 30P. Different video resolution options can meet the requirements in most application occasions. Press “ ◀” or “ ▶” to select appropriate resolution. Press the “Menu” button when the selection is completed, and long press the “Menu” button to return to the previous “Menu”.
The reference interface is shown below:





13.2.2 Video quality

There are three quality options to choose from on the Video Quality menu: “Highres”, “Good”, “Normal”. According to different needs, different quality effects are selected. The better the video quality, the larger the memory occupied by the same video length.

13.2.3 Video pre-recording

Apply the video pre-recording function to start the recording around the first ten seconds, before the “Record” button is activated. The video pre-recording has two options: off and on. Press “ ◀ ” or “ ▶” to select, and press the “Menu” button to confirm. Long press the “Menu” button to return to the previous “Menu”.
Pre-recording time: about 17 seconds.

13.2.4 Delayed recording

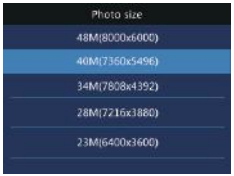
Apply the delayed recording function to continue the recording for a certain time after pushing the button to save the recording. There are five options for delayed recording: setting off, 5 sec, 10 sec, 20 min and 30 min. Press “◀” or “◀” to select and press the “Menu” button to confirm after the selection is completed. Long press the “Menu” button to return to the previous menu.

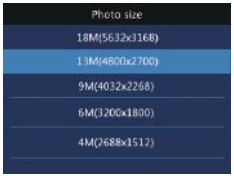
13.3 Photo setting

The photo settings menu includes: photo size, photo quality, auto shooting and continuous shooting. Press “ ◀” or “ ▶”to select the option you want, and then press the “Menu” button to enter.

13.3.1 Photo size

The sizes of the photos are of 48M(8000x6000), 40M(7360x5496), 34M(7808x4392), 28M(7216x3880), 23M(6400x3600), 18M(5632x3168), 13M(4800x2700), 9M(4032x2268), 6M(3200x1800), 4M(2688x1512).
Press “ ◀”or “ ▶” to select the appropriate resolution. After the selection is completed, press the “Menu” button to confirm. Long press the menu button to return to the previous menu. The reference interface is shown below:





13.3.2 Photo quality

There are three quality options to choose from on the Photo Quality menu: “Highres”, “Good”, “Normal”. According to different needs, different quality effects are selected. The better the picture quality, the larger the memory occupied by the photo.

13.3.3 Continuous shooting

Continuous shooting means press the “Photo” button to take photos during preview or recording mode.
On the camera setting menu, select “Photo rate” and press the “Menu” button to enter. Continuous shooting offers five options: Off, 3 photos, 5 photos, 10 photos and 20 photos.

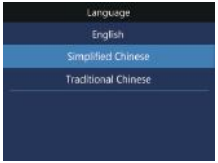
Press “ ◀” or “ ▶” to select. Press the “Menu” button to confirm after the selection is completed. Long press the “Menu” button to return to the previous menu.

13.4 System setting

System settings menu includes: language, default settings, screen brightness, system time, auto power off, auto screen off, volume, in-car mode, video loop, in-car record, segmented video, key tone, indicator light, infrared switch, voice broadcast, plenary broadcast, motion detect, exposure compensation, WIFI, ID number and system info. Press “◀” or “ ▶” to select the option you want to set, and then press the “Menu” button to enter.

13.4.1 Language

In the language selection menu, you can select a language as the system language. The reference interface of language selection is as follow:



13.4.2 Default settings

Apply the function to reset the device's setting options.

13.4.3 Brightness

When you want to use this function, you can adjust the brightness of the screen. The screen brightness can be set to three levels: high, medium and low. Press " ◀" or " ▶" to select the appropriate option. Press the "Menu" button to confirm after the selection is completed. Long press the "Menu" button to return to the previous menu.

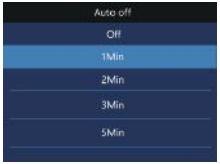
13.4.4 System time

The system time setting interface is as shown below:

On this interface, press the "Menu" button and " ◀" or " ▶" to set the real time. Press " ◀" or " ▶" to change the value. Press the "Menu" button to confirm after the selection is completed. Long press the "Menu" button to return to the previous menu.

13.4.5 Auto off

If there is no operation on the device, the VideoTracer automatically shuts down after a certain period of time. The interface looks like following:



13.4.6 Auto screen off

There are four options for the auto screen off time: Off, 30 sec, 1Min, 3Min. If no operation is done to the device within the given time, the screen will black out. If “ Off ” is selected, the display will be constantly lit.

13.4.7 Volume

When you use this function, you can adjust the volume of the device.
The volume setting can be selected from 11 values between 0 and 10. Press “ ◀” or “ ▶” to select the appropriate volume value. After the selection is completed, press the “Menu” button to confirm.

13.4.8 In-car mode

When the “In-car mode” is on, “Video loop” and “In-car record” are available; when the “In-car mode” is off, “Video loop” and ““In-car record” are unavailable. “In-car mode” defaults to “Off” and “In-car record” defaults to “Off”. .

13.4.9 Video loop

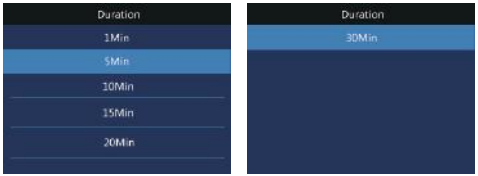
On the video settings menu, select “Video loop” and press the “Menu” button to enter. Press “ ◀” or “ ▶” to choose from the two options: on and off. After the selection is completed, press the “Menu” button to confirm. Press the “Menu” button to return to the previous menu.
The reference interface is shown below:

13.4.10 In-car record

When the function is used, you can choose whether you want to record the sound inside the car.

13.4.11 Segmented video

The segmented video has six levels: 1minute, 5 minutes, 10 minutes, 15 minutes, 20 minutes, and 30 minutes. During the recording process, the segmented video automatically saves the video file in segments and automatically switches to the next video recording.
The video segmentation function reference interface is shown below:



13.4.12 Key tone

When the function is used, there will be an audible prompt for button operation.

13.4.13 Indicator light

When the function is used, you can turn on or off the status indicator as needed.

13.4.14 Infrared switch

On the System Settings menu, press " ◀" or " ▶" button to select the "Infrared" menu, and then press the "Menu" button to enter the Infrared Switch menu. The menu offers two options: Manual and Auto. After the selection is completed, press the "Menu" button to confirm. Long press the "Menu" button to return to the previous menu.

13.4.15 Voice broadcast

Turn on the function, it will prompt the voice broadcast for the specified operation.

13.4.16 Plenary broadcast

Only after the voice broadcast function is enabled, the plenary broadcast function can be turned on. Turn on the function, it will prompt the voice broadcast for the whole time.

13.4.17 Motion detect

After the audio and video recorder turns on the motion detection, please press the “Record” button. The audio and video recorder automatically turns on the recording function after an object enters the shooting range of the audio and video recorder. After the object leaves the shooting range for 10 seconds, the recording function ends and the recording file is saved. The motion detection function setting can be selected: off / on.

13.4.18 EV

Exposure compensation is an exposure control method that compensates for brighter or darker shots. You can adjust the brightness of your photos to create unique visual effects according to your own needs.
The exposure compensation setting can be selected from 13 values between -2.0 and +2.0. Press “ ◀ “ or “ ▶” to select the appropriate value. When the selection is completed, press the “Menu” button to confirm.

13.4.19 WIFI

Turn the WIFI function and connect mobile phone to remotely control the device to video, audio and take photos. Also, this function supports online play, local download and sharing.

13.4.20 ID number

ID number setting interface is as shown below:

On this interface, press the “Menu” button and “◀ ”or “ ▶” to set the device number and user number. Press “ ◀ ” or “ ▶” to change the corresponding position value, and press the “Menu” button to confirm. Long press the menu to return to the previous menu.

13.4.21 System info

The system information menu includes: total storage capacity, available space, available video time, available audio time, battery power and version number.

Total storage capacity: local memory size information.
Available space: remaining space information.
Available video time: the time length for the current video recording resolution.
Available audio time: the time length for the current audio recording type.
Battery level: current battery level information.
Version number: firmware version information.

14 Download and install APP

Scan the QR code below to download and install the APP with phone. Choose “Always allow” if there is a prompt that the application requires the permission of the mobile phone, otherwise it cannot be used. Very few mobile phones need to turn off “Mobile network” to connect.

14.1 Connection

Step 1: After the recorder is on, press the “WIFI” button to turn on the WIFI, and the icon turns white.
The reference interface is as shown below:

Step 2: Open the APP. When you open the APP for the first time, there will be a “Guide prompt” interface. Click the “Next” button on the guide interface to enter the connection interface, as shown in the below:

Step 3: Click the “Start connection” button on the APP interface to enter the WLAN list interface, manually connect to the VTR8202 network with password “88888888”. After successful connection, the “Connected (not allowed to access the Internet)” will be displayed. The WIFI icon will display green, and press the “Return” button to return to the connection interface. The interface shows “Recorder connected”, as shown in the below:

Notice

Owing to different brands of mobile phones and versions of their system, there will be different prompts and requirements when connecting the APP. When the recorder fails to connect with the APP, check the settings:

1. Check whether the mobile network is off. If not, please set it to off;
2. Check whether WIFI “Dual channel network acceleration” setting is off. If not, please set it to off;
3. Set “Smart select WIFI or mobile network” settings of WIFI assistant to off.

Reminder

1. When the recorder is connected to the APP successfully, the APP interface will pop up “No Internet access, switch to other available networks?” Please select “No / Do not use / Keep connected”, etc. The prompt varies with different mobile phones.
2. When the recorder is connected to the APP, if the prompt “Unable to connect to the server, please check your network settings” pops up, please ignore it, because this is normal. What the mobile phone connected is the recorder’s WIFI.

14. 2 Introduction to APP

1. APP settings

Select “Settings” in the main interface to connection settings, parameter settings and application statements. The connection settings can change WIFI and password. Parameter setting and recorder parameter setting include video resolution, photo size, exposure, synchronization time, software version. After changing the parameters, the mobile phone sends instructions to the recorder and converts it into corresponding parameters.

2. APP screen preview

After connecting the APP, select “Screen preview” in the main interface to enter the preview interface, and the “WIFI CAM” character will appear. APP screen preview includes APP operating video& audio& photo function. The APP screen preview interface is shown as follows:

APP operating video. After connecting the APP, select “Screen preview” in the main interface to enter the pre-recording interface, and the “WIFI CAM” character will appear. Then,

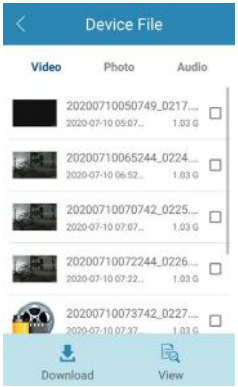
click the “Video” to start video recording, and click the icon again to save the recording. The APP operating video interface is shown as follows:

APP operating audio. After connecting the APP, select “Screen preview” in the main interface to enter the pre-recording interface, and the “WIFI CAM” character will appear. Then, slide to the right and click the “Audio” to start audio recording, and click the icon again to save the recording. The APP operating audio interface is shown as follows:

APP operating photo. After connecting the APP, select “Screen preview” in the main interface to enter the pre-recording interface, and the “WIFI CAM” character will appear. Then, slide to the left and click the “Photo” to start photo taking.

3. APP recorder file

Click the “Recorder file” icon in the main interface to enter the interface to download, view the video, audio and photo files in the recorder. The interface of APP recorder file is shown as follows:



APP file download: When the mobile APP is connected to the recorder, the APP can download the video, audio and photo files to the mobile phone. Select the file you want to download and click the "Download" icon. The download percentage will be displayed, as shown below:

4. APP downloaded files
Select the "Downloaded file" icon in the main interface of APP, and the downloaded video, photo and audio will be displayed. You can choose to share and delete. The reference is shown as follows:

Reminder

1.When entering the APP screen preview interface, if the distance between the mobile phone and the recorder is within 2 meters, the phone will emit a howling sound due to the noise crosstalk. At this time, you can turn down the volume to eliminate this sound.
2.Due to environmental factors and different brands of mobile phones, for better operation, please keep the device and the mobile phone in an effective distance.
3.When the APP operating recorder beyond the effective distance, the APP will be disconnected while video/audio recording will continue. At this time, it is necessary to manually click the “Video” and “Audio’’ buttons to save the video and audio files.

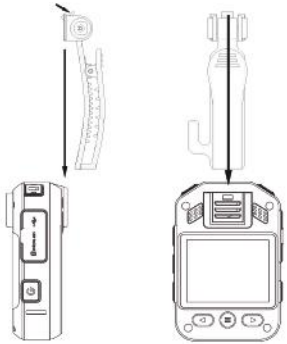
Notice

1. When the power gets low, the WIFI of the device will be disconnected from the APP end automatically;
2. After the mobile detection is turned on, the APP terminal controls the video recording, and the motion detection does not work at this time;
3. While the APP control the video recording, it does not support the 3200*1800 30P resolution.

15 Mounting of Shoulder Clip

① When mounting the shoulder clip, align the connecting bracket of the clip into the main slot according to the shown position, and then slowly push it until the top of the clip reaches the bottom of the slot.

② When removing the shoulder clip, hold it with one hand, hold the device body with the other hand and hold the clip. Gently push it out until the connecting bracket leaves the device. It is as shown below:



16 FAQ

This section has listed all the frequently asked questions to help you address the simple issues during use of the voice/video recorder. If such issues persist, please consult our dealers or visit our official website: www.philips.com/support

16.1 Unable to start audio and video recorder

The batter has run out and you need to charge your device.

16.2 Incorrect time/date

The audio and video recorder time is not accurate, and please reset the time on the menu.

16.3 Unclear image

Unclean lens has caused it. Please use clean cloth to clean it.

16.4 Fail to record audio/video

The internal storage of audio/video recorder has run out and no recycling shooting mode has been turned on. Please delete some of the files or transfer such files to external storage device.

16.5 Unable to play audio or video files

The battery is used up, please charge your device.

16.6 How to respond to recorder failure

Sometimes you will encounter in the operation the problems such as fail to power on or black screen, etc. The usual processing method is to reset it. The position of the “Reset” button: open the USB cover, and you’ll find a small hole in the slot; use tweezers or pointed item to click on the hole.
Note: This operation will not cause data loss or destruction.

17 Technical Parameters

17.1 Memory

External Memory
Recording time reference(16GB): about 290 hours
Type of Internal Storage: C10 TF card
Mobile storage device (PC): Yes

17.2 Dimensions and weight

Width × Height × Depth: 80×53.5×25 (mm)
Weight (with battery): 124g (without back clip)

17.3 PC Interface

Operating System: Windows 7,8,10/Vista/XP/2000, Mac OS X, Linux
Port: USB

17.4 Voice recording

Mono: The bit rate is 128kbps, and the format is MP3

17.5 Operating conditions

Temperature: -30℃ ~ 55℃
Air humidity: 10% – 90%, non-condensing

Warranty card

质保书

1 year warranty

一年质保

Type: VTR8202

Serial nr:

Date of purchase

购买日期

Dealer's name, address and signature

销售商名称、地址及签字

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