

PHILIPS

VideoTracer

音视频记录仪

VTR8420

使用手册

User manual

www.philips.com/welcome



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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

- 三摄像头：可切换摄像头录像，拍照、微距拍照。
- 语音操控：语音唤醒录像 / 录音 / 拍照等。
- 在线翻译：支持在线同步翻译。
- 语音转文本：录音文件可以转文本。
- 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。
- 一键拍照：仅仅按下拍照键即可实现拍照功能。
- 真正采用立体声录音的音视频记录仪。
- 平台调度：支持集群对讲，视频通话等。
- 星标功能：支持重点文件标记。
- 红蓝爆闪：警示灯。
- 采用智能音频编解码器，双咪头主动降噪，声音更清晰。
- 160° 超大广角镜头，录像无死角。
- 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，更具法定证据效力。
- 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，防止错误操作造成资料丢失。
- 外置存储卡，最大支持 512G。
- 高清扬声器：采用高品质振动喇叭，无论播放录音文件或录像文件，都给人身临其境的感受。
- 可作为大容量的 USB 存储设备，确保最大的兼容性。

2 重要须知

2.1 安全



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。
- 显示图像仅作参考。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。

2.2 录音的法律限制

- 本设备录音功能的使用可能受限于所在国家法律的限制。录制他人谈话或者课程时应当尊重他人隐私及第三方人权。
- 请注意：在部分国家，当录制用户与他人通话时，用户应根据法律要求通知对方，否则该录音行为将被视为不合法。请在录音前通知使用人所在国家该录音数据使用的合法性。

2.3 后台数据

- 自系统激活日起，本公司可以免费提供一年服务，到期如需继续提供服务，请致电：400-800-7890
- 后台系统仅保存最近 3 天的音视频采集数据，请确保有效数据备份，如因逾期造成的数据丢失，我司不负任何责任。



注意

- 64GB 以上的 TF 卡，初次使用须在本机格式化。
- 格式化之前请确保 TF 卡里的资料已备份。
- 格式化：插卡后——打开系统设置菜单，找到版本更新处，快速点击，弹出存储设置界面，下拉找到“便携式存储设备”点 SD 卡后会跳转到另一个界面，点击右上角竖着的三个小圆点，弹出的弹框，选择“存储设置”即跳转到格式化界面，选择“格式化”后会再跳转到确认界面，选择“清空并格式化”后，等待格式化完成，选择完成后按 HOME 键返回主界面即可。



警告

- 请严格按照电池标记正负极装配，不能装反以免损坏设备。

2.4 所用符号标记



提示

- 此符号标志指明帮助您更加高效简便使用设备的信息。



注意

- 此符号标志指明处理或操作设备时必须遵守的各种注意事项。



小心

- 此符号标志警告可能发生的设备损坏和数据丢失。操作不当，可能导致损坏。

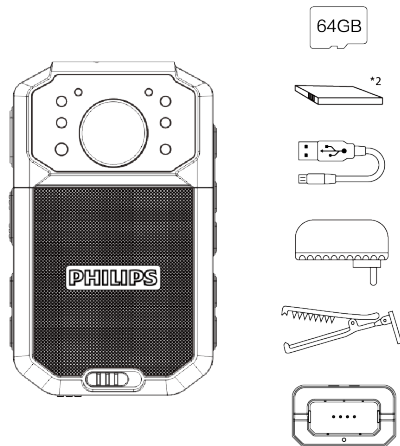


警告

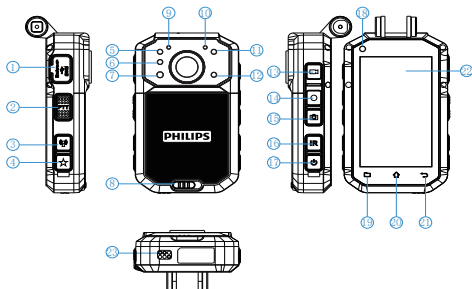
- 此符号标志警告人身伤害危险。操作不当，可能导致人身伤害或设备损坏。

3 您的音视频记录仪

3.1 设备包含



3.2 主机概览



- | | |
|-----------------|----------------|
| ① USB/SIM/TF卡接口 | ⑬ 录像键 |
| ② PTT键 | ⑭ 录音键 |
| ③ 一键回传 | ⑮ 拍照键/长按打开红蓝爆闪 |
| ④ 星标键 | ⑯ IR键 |
| ⑤ 红外灯 | ⑰ 开关机键 |
| ⑥ 白光灯 | ⑱ 摄像头 |
| ⑦ 光敏电阻 | ⑲ 文件夹 |
| ⑧ 电池盖锁开关 | ⑳ HOME键 |
| ⑨ 红蓝爆闪灯 | ㉑ 返回键 |
| ⑩ 红蓝爆闪灯 | ㉒ 屏幕 |
| ⑪ 红外灯 | ㉓ 座充触点 |
| ⑫ 微距摄像头 | |

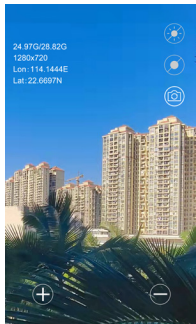
4 开始使用

4.1 开 / 关机

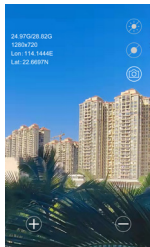
注意

- 第一次使用机器时，请对该机器在关机状态下使用出厂配备的充电器充电 3 小时以确保机器有电工作！

关机状态下，长按开机键，本机自动开机，显示飞利浦图标，如下图所示：



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。点击屏幕“+”或“-”放大与缩小预览界面，实现数码变焦功能。



按下返回键，返回到主界面，系统主界面如下图所示：





提示

- 本机使用可拆卸锂电池供电，如果长时间不使用音视频记录仪，建议把电池取出来，单独放置。
- 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异常。
- 当电量指示标志为时，请及时充电。

4.2 充电方法

- (1) 使用出厂配备的 USB 数据线和充电器进行充电，充电时亮绿灯，关机状态下充电电池电量显示 100% 即充满。
- (2) 座充充电：可单独放电池在座充的电池槽充电，充电过程中，充电指示灯为红色，充满灯灭；也可整机充电，整机放置座充的整机充电槽充电，机器亮绿灯，充满电，绿灯熄灭。



提示

- 座充两个 USB 接口均可充电，座充只供电池及整机充电，不支持数据传输。

4.3 连接电脑

音视频记录仪可作为大容量的 USB 存储设备，开机连接电脑即可。



提示

- 在文件移入或移出音视频记录仪时，请不要断开音视频记录仪与电脑的连接。
- USB 连接电脑：开机状态下可直接连接；关机状态下则需长按电源键开机，待机器开启后方可连接。



提示

- 登陆账号前请保证网络连接正常，否则无法正常登陆。

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) 在摄像预览状态点击录像键开始录像，状态指示灯红灯长亮。

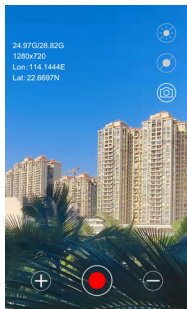
(2) 点击屏幕“+”或“-”放大与缩小预览界面，实现数码变焦功能。

(3) 按“”键切换摄像头，再按一下“”键可以切换回来。

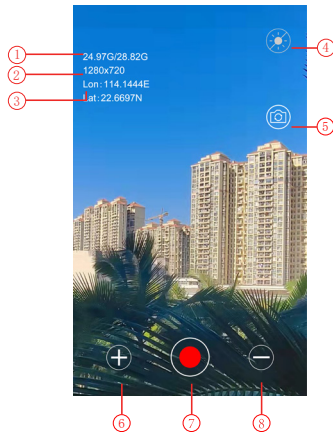
(4) 在黑夜或者光线暗的环境下录像时，按下“”键，照明灯将打开，补充光源，再按“”键关闭白光灯。

(5) 录音和录像可一键切换，同时保存文件。

录像参考界面如下图所示：



录像界面说明



① 内存

② 分辨率

③ 经度，纬度

④ 白光灯

⑤ 切换摄像头

⑥ 放大

⑦ 录像/停止

⑧ 缩小



注意

· 电池标记符显示空格时，表明低电。如果正在录像或者录音，系统自动保存录音文件后关机。电量不足时，请及时充电。低电关机时，显示屏也会有相应的提示，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。

6 拍照

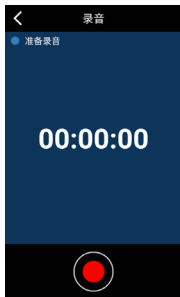
当您初次使用音视频记录仪拍照时，请注意本节中的内容说明！
在摄像预览状态下，直接按拍照键进行拍照，拍照时会有“铛铛”一声，在黑夜或者光线暗的环境下，需要开启机器红外灯或者补光灯进行拍照，在录像状态下，按下拍照按键可以抓拍照片。

7 录音

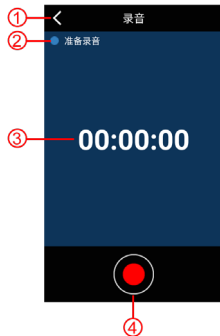
当您初次使用音视频记录仪录音时，请注意本节中的内容说明！

- (1) 按下“录音键”或点击屏幕的音频采集图标开始录音；工作状态指示灯将亮黄灯；请将内置咪头对准音源。
- (2) 在录音状态下，按下“录音”键或点击屏幕停止键结束录音，同时自动保存录音文件。
- (3) 在录音状态下，按“录像”键结束并保存当前录音，同时切换到录像，再次短按“录音”键结束并保存当前录像，同时切换到录音。

录音参考界面如下如所示：



录音界面说明



- ① 返回
- ② 录音状态
- ③ 录音时间
- ④ 录音 / 停止



提示

- 请先删除一些不必要的文件再录。
- 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，否则可能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。

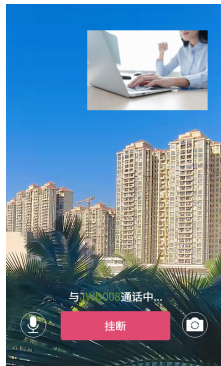
8 视频通话

点击主菜单中的视频图标进入视频通话列表界面，如下图所示：



点击列表中的单个设备会提示是否与该设备进行视频通话，点击“确定”按钮即可对该设备发起视频通话功能，点击“取消”则回到视频通话列表界面。

视频通话过程中如下图所示：



大窗口显示对方画面，小窗口显示自己的画面，按 PTT 键传送语音，松开后语音传送断开，点击“挂断”按钮则结束本次视频通话。



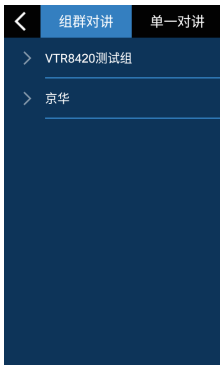
注意

- 视频通话仅限于一对一视频通话，不支持一对多视频通话。
- 视频通话列表显示为同一分组中的所有成员。

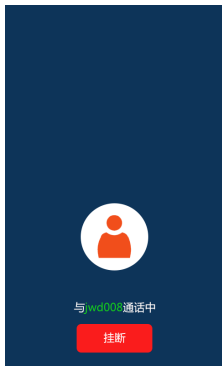
9 集群对讲

9.1 组群对讲

点击主菜单中的对讲图标进入集群对讲界面，组群对讲界面如下图所示：



点击列表中的单个组群会提示将 PTT 群切换到“XXX”，点击“取消”则还是原来的群组，点击“确定”即切换到该组群中，加入组群后，您可以按 PTT 键进行说话，此时同在当前组群的其他设备即可听到您的声音。组群通话界面如下图所示：



注意

- 组群对讲列表仅显示您当前所加入的组群，如您未加入任何组群，请联系调度平台管理员进行添加。

9.2 单一对讲

点击主菜单中的对讲图标进入集群对讲界面，选择“单一对讲”切换到单一对讲画面，单一对讲如下图所示：



点击列表中的单个设备会提示是否呼叫该设备，点击“确定”按钮即可对该设备发起一对一对讲功能，点击“取消”则回到单一对讲列表界面。

单一对讲过程中如下图所示：



对讲过程中，点击“挂断”按钮即结束当前对讲。



注意

- 单一对讲仅限于一对一语音对讲，不支持一对多对讲。
- 单一对讲列表显示为同一分组中的所有成员。

10 回看

10.1 视频回放

点击主菜单中的回看图标进入回放列表界面，点击“视频”选项进入到视频文件列表，找到相应的文件夹打开，进去文件列表参考界面如下图所示：



- (2) 播放过程中，点击暂停键暂停播放。
- (3) 按“◀”键结束播放，并返回到回放文件列表界面。
- (4) 可通过滑动文件播放进度条选择播放时间点。

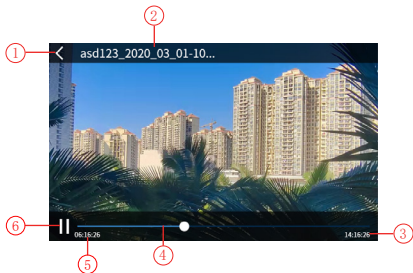
点击播放文件，再点击播放键视频播放暂停。

视频播放参考界面如下图所示：



- (1) 点击文件名直接播放该文件。

录像文件播放界面说明：

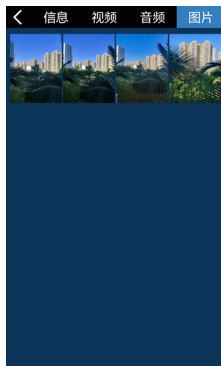


- ① 返回
- ② 视频标题
- ③ 总时长
- ④ 进度条
- ⑤ 当前播放时长
- ⑥ 播放 \ 暂停

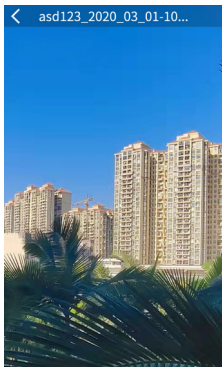
10.2 照片模式

点击主菜单中的回看图标进入文件列表，点击“图片”选项进入到图片文件回放列表，图片文件列表参考界面如下图所示：

点击进入照片浏览状态，左右滑动屏幕切换照片。

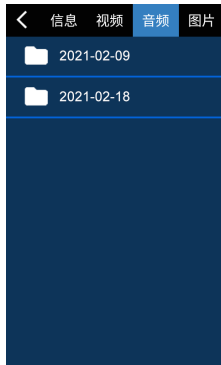


照片浏览界面如下图所示：



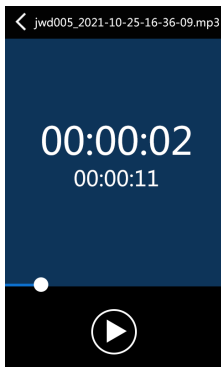
10.3 音频模式

点击主菜单中的回看图标进入文件列表，点击“音频”选项进入到音频文件回放列表，音频列表参考界面如下图所示：

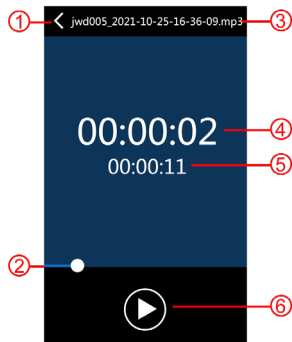


播放列表界面点击播放文件，点击暂停标识暂停播放，按返回键返回播放列表。

播放参考界面如下图所示：



音频文件播放界面说明:



- ① 返回
- ② 播放进度条
- ③ 音频标题
- ④ 播放时间
- ⑤ 文件总时长
- ⑥ 播放 / 暂停

11 在线翻译

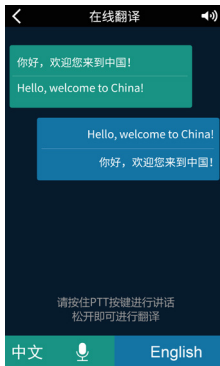
点击主菜单中的在线翻译图标进入在线翻译界面，在线翻译界面如下图所示：



支持中英文互译，按住 PTT 按键进行讲话，松开即可完成翻译，用户可以点击右上角语音播报图标控制是否播报翻译后的内容，可以点击底部中文或 English 区域完成语言切换。按住 PTT 按键进行说话界面如下图所示：



松开 PTT 按键完成识别界面如下图所示：



在线翻译界面功能说明如下图所示：



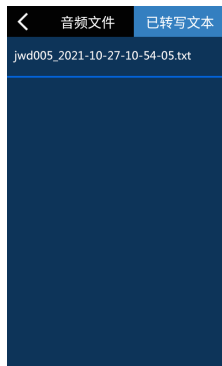
- ① 返回
- ② 识别内容
- ③ 翻译后的内容
- ④ 中文语言
- ⑤ 选择的语言位置
- ⑥ 英文语言

12 语音转文本

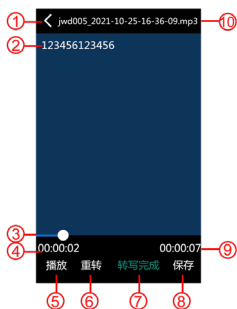
点击主菜单中的语音转文本图标进入语音转文本界面，默认为音频文件选项，音频文件界面如下图所示：



点击已转写文本按钮切换到已转写文本列表界面，如下图所示：



点击音频文件列表或已转写文本列表进入到文件转写界面，文件转写界面如下图所示：



①返回

②已转写文本内容

③播放进度条

④播放时间

⑤播放 / 暂停

⑥重新转写

⑦转写完成

⑧保存按钮

⑨文件总时长

⑩文件标题

13 微距摄像

在主界面点微距摄像菜单，进去预览界面，按拍照键即可拍照。
打开微距摄像头拍照，可自动变焦。



14 账号设置

当您第一次使用音视频记录仪时，开机后设备会自动进入到账号设置界面。您可以通过点击“设置”进入到设置界面，然后点击“账号设置”，进入到账号设置界面。



	帐号设置	保存
服务器IP	8.129.0.132	
端口号	3503	
设备编号		
用户编号		

输入服务器 IP、端口号、设备编号和用户编号，点击“保存”按钮，应用会自动重启然后登录账号。

服务器初始 IP 默认为 8.129.0.132，端口默认为 3503。

15 影音设置

在主界面点击影音设置功能图标，系统进入影音设置菜单列表，包括：视频分辨率、照片分辨率、视频帧率、视频编码、文件时长等功能。

15.1 视频分辨率

视频分辨率有 640×480 、 1280×720 、 1920×1080 、 2560×1440 级别，多种录像分辨率选择，可满足大部分应用场合，滑动屏幕选择合适的分辨率。相同数量的视频，分辨率越高的视频所占内存越大。

15.2 照片分辨率

照片分辨率有 5400 万、4800 万、3200 万、1600 万、800 万选择，滑动屏幕选择合适的分辨率。分辨率越高的照片所占内存越大。

15.3 文件时长

使用分段录制功能，可设置每次录制的文件时间间隔，分段录

制设置有 5 分钟、10 分钟、15 分钟、30 分钟四种选择。

15.4 视频帧率

视频帧率可设置为：15 帧，20 帧，25 帧，30 帧。

15.5 视频编码

视频编码：H264，H265

15.6 连拍

拍照可设置为：3 张，5 张，10 张，关闭

16 设置

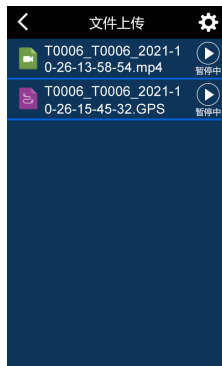
在主菜单界面点击屏幕设置功能图标，系统进入设置菜单列表。设置菜单列表包括：文件上传、WIFI 设置、移动网络设置、流量使用情况、音量设置、日期设置、显示设置、语言、蓝牙设置、PTT 设置、其他设置、关于、版本更新等功能、滑动屏幕选择所需设置的选项，点击进入。

设置界面如下图所示平台设置界面如下图所示：

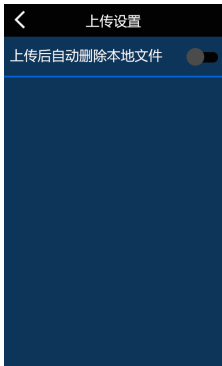


16.1 文件上传

在设置界面点击“文件上传”选项进入到文件上传界面，文件上传界面如下：



用户可根据需要选择单个文件进行上传到服务器，点击“”进入到文件上传设置界面，文件上传设置界面如下图所示：



上传后自动删除本地文件选项打开后，当单个文件上传到服务器成功后，会自动删除本地的当前文件。



注意

· 上传后自动删除本地文件选项默认为关闭。

16.2 WIFI 设置

点击“WIFI 设置”菜单进入到 WIFI 设置界面。

16.3 移动网络设置

点击“移动网络设置”菜单进入到移动网络设置界面。

16.4 流量使用情况

点击“流量使用情况”菜单进入到流量使用情况界面，用户可以查看机器的流量使用情况以及可以对网络进行限制，当后台流量受到限制时，按流量计费的网络会被视为移动网络。在使用此类网络下载大型文件前，会发出警告。

16.5 蓝牙设置

进去蓝牙设置界面，点开按钮，搜索连接使用。

16.6 音量设置

点击“音量设置”菜单进入到音量设置界面，音量设置界面如

下图所示:



16.7 日期设置

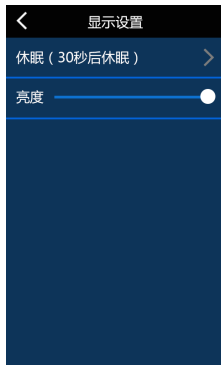
点击“日期设置”菜单进入到日期设置界面，用户可以进行时间修改。

16.8 语言设置

可设置简体中文，繁体中文，英文。

16.9 显示设置

点击“显示设置”菜单进入到显示设置界面，用户可以进行休眠时长和亮度设置，显示设置界面如下图所示：



16.10 PTT 设置

进入 PTT 设置界面，可切换默认的群组。

16.11 其他设置

点击“其他设置”菜单进入到其他设置界面，其他设置包括夜视功能和开启语音提示。

夜视功能：

分别有常亮：一直是夜视模式，按键无效化；手动：直接按按键来调整是否开启夜视模式；自动检测：根据光敏电阻即环境来调整夜视模式，同样按键无效化。

支持的语音功能词有：开始录像，停止录像，开始录音，停止录音，开始拍照，打开夜视，关闭夜视，一键报警，返回主界面，返回上一级，结束录像，结束录音，音量增大，音量减小，查看照片，查看视频。

开启语音提示功能后，用户进行录像录音操作会有语音提示。

16.12 关于



进去此界面可查看版本及 IP 地址等信息。

16.13 版本更新

点击“版本更新”菜单进行检查是否有新版本，有新版本的情况下会弹出软件更新对话框。

17 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

17.1 无法启动音视频记录仪

电池电量已耗尽请及时充电。

17.2 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。

17.3 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。

17.4 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请删除部分文件或将其移至外部存储设备。

17.5 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。

17.6 音视频记录仪死机后如何处理

在操作时如有遇到无法开机、黑屏、无法操作等死机现象，通用处理方法是：长按电源开关 10 秒，进行复位。

18 技术参数

18.1 存储器

内置存储器类型：C10 TF 卡

18.2 尺寸和重量

宽 × 高 × 深：98.5 × 59 × 22 (mm)

重量（含电池）：156g（不含背夹）

18.3 系统要求

操作系统：Windows 10/8/7, Mac OS

接口：MICRO USB 接口

18.4 录音

MP3

18.5 运行条件

温度：-30°C – 55°C

空气湿度：10% – 90%, 不凝结

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1 Welcome

Welcome to the World of Philips! We feel delighted that you choose to buy from Philips. You can always visit our website to get all-inclusive technical support from Philips, including user manual, software download and information on warranty information.
www.philips.com

1.1 Product Features

- Three cameras: switchable camera for video recording and photo taking, macro photography.
- Voice control: voice wake for voice/video recording, photo taking, etc.
- Online translation: support online translation.
- Voice to text: recording files can be converted to text.
- Quick Voice Recording: Simply press the Voice Recording button for the first time to record, and the second time to save recorded clips.
- Quick Video Recording: Simply press the Video Recording button for the first time to record, and the second time to save recorded clips.
- Quick photograph: Simply press the Photo button to take photos.
- Use stereo sound technology for voice/video recorder.
- Dispatching platform: support cluster intercom and video call.
- Star mark function: support key points mark.
- Red and blue flashing: warning light.
- Use smart audio coder/decoder and dual-mic technologies to reduce voice and improve sound quality.
- 160° super-wide angle lens for getting a fuller picture.
- Use dual filter switch to prevent color cast during daytime and clearer during nighttime.
- 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 512G.
- High-definition speaker: Use high-quality vibration speaker to give you a live feel during audio or video play.
- Large-volume USB storage device to ensure maximum compatibility.

2 Important Notice

2.1 Safety



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.

2.2 Legal Restriction on Recording

- Use of the recording function of this device is subject to the restrictions imposed by national laws. When recording the conversations or courses of others, you should respect the privacy and other rights of such persons.
- Please note that in some countries, the user must

notify the other party when he/she is recording his/her conversations with such other party. Otherwise, such recording activity might be considered as illegal. Please ensure the lawfulness of the recording activity in any applicable jurisdiction.

2.3 Background Data

- Upon the activation of the system, the Company provides a one-year warranty. If you require our services after expiration of the warranty, please call 400-800-7890.
- The background system only keeps audio/video data for only 3 days. Please make backup copies to prevent data loss to which the Company shall not be held liable.



Notice

- The TF card of 64GB or above must be formatted in this device for the first time.
- Before formatting, please make sure that the data in the TF card be backed up.
- Formatting: After inserting the card-open the system settings menu, find the version update and click quickly, the storage setting interface will pop up, pull down to find the "portable storage device" and click on the SD card to jump to another interface, click on the upper right corner with three small dots, pop-up the pop-up box, select "storage settings" jump to format the interface, select "formatting" will jump to confirm again after the interface, After selecting "Clear and format", wait until the formatting is complete and press the "HOME" button to return to the main screen.



Reminder

- This Icon gives you convenient and easy-to-use information on the device.



Notice

- This icon gives you various notices on handling or operation of the device.



Caution

- This icon means warning on potential loss of data or damage to device. In case of inappropriate operation, damage might be caused to the device.



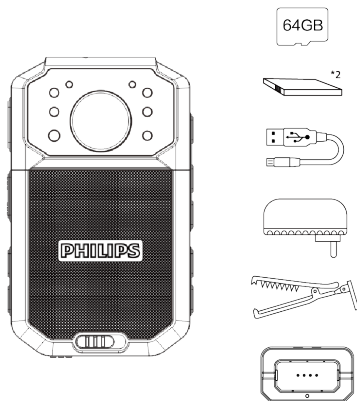
Warning

- This icon warns you about personal injury. In case of inappropriate operation, damage might be caused to your person or device.

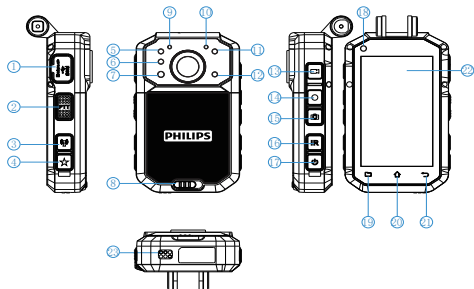
2.4 Icons Used

3 Your Audio/Video Recorder

3.1 What's in the box



3.2 Overview



- ① USB/SIM/TF card slot
- ② PTT button
- ③ Quick video uploading
- ④ Star button
- ⑤ Infrared light
- ⑥ White light
- ⑦ Photoresistor
- ⑧ Battery cover latch
- ⑨ Flash warning light
- ⑩ Flash warning light
- ⑪ Infrared light
- ⑫ Macro camera
- ⑬ Video recording button
- ⑭ Recording button
- ⑮ Photo button/Long press to turn on the flash warning light
- ⑯ IR button
- ⑰ ON/OFF
- ⑱ Camera
- ⑲ Folder
- ⑳ HOME button
- ㉑ Folder
- ㉒ Screen
- ㉓ Charger docking

4 Start to Use

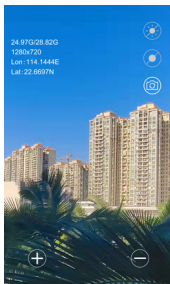
4.1 Turn ON/OFF



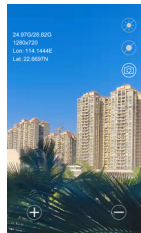
Notice

- When using the device for the first time, please shut down the device and charge it with original charger for 3 hours!

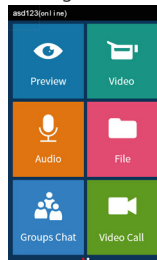
During shutdown mode, long press Turn ON button, and the device will be turned on, showing the Philips logo, as shown below:



When entering the preview interface as shown below, you will see the indicator show green light. Click "+" or "-" to zoom in or zoom out.



Press Return button to return to the Main Interface which shows the following:





Reminder

- The device uses detachable lithium batteries. If the device is left unused for a long time, please take out the battery and place it in a dry place.
- If the record does not work properly, please check if the device is out of power.
- During operation please do not pull out the external memory card. Otherwise, damage might be caused to the files or the device.
- When battery volume shows , please charge your device timely.

4.2 Charging Methods

- (1) Use USB data cable and the connector to charge the device. The device indicator will show green light when charging.
- (2) Docking station: can be separately put the battery into the charger battery slot for charging, indicator light is red when charging, which will be extinguished after the device is fully charged. It can also be charged by the whole machine. The charging slot of the whole

machine is placed to charge the whole machine. When fully charged, the green light goes out.



Reminder

- The two USB ports can be charged. The charger can only charge the battery and the whole machine, does not support data transmission

English

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 connected to the computer.



Reminder

- When importing/exporting the files from or to the device, do not disconnect the recorder from the computer.
- USB connect to PC: they can be directly connected when the device is turned on; when the device is off, please press the power button and connect the computer after the device is turned on.

5 Video Recording

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

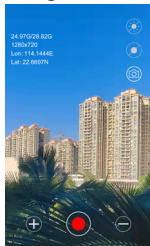
(1) In the preview mode, please click "Video" button to record and the indicator light will show red light.

(2) Click "+" or "-" on the screen to zoom out or zoom in.

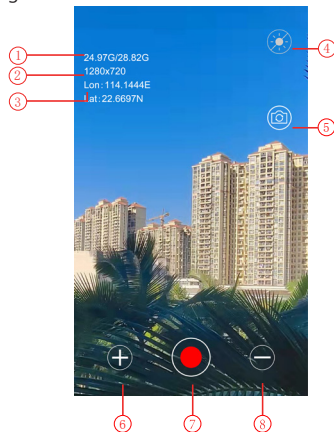
(3) Press "[Camera Icon]" button to switch the camera, press "[Camera Icon]" button again can switch back.

(4) When recording in dark or dim light, press "[Light Icon]" button to turn on the illumination light, press "[Light Icon]" button again to turn it off.

(5) You can switch from Audio Recording to Video Recording while saving the files.



Recording Interface Illustration



① Storage

② Longitude

③ Longitude, Latitude

④ White light

⑤ Switch camera

⑥ Digital zooming +

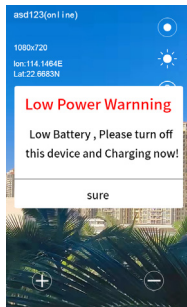
⑦ Record/Stop

⑧ Digital zooming -



Notice

- When the battery icon is showing empty, it means low on battery. If you are recording, the system will automatically save the recorded files. 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.

6 Photo

When you use the device for photo taking for the first time, please read the instructions in this section!

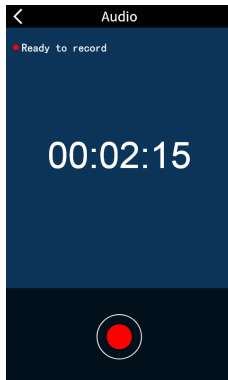
During the video recording mode, press the Photo Taking button and a “ding-ding” sound will occur during photo taking. In dark or dim light, you need to turn on the infrared light for photo taking. During video recording mode, press Photo button to capture a photo.

7 Voice Recording

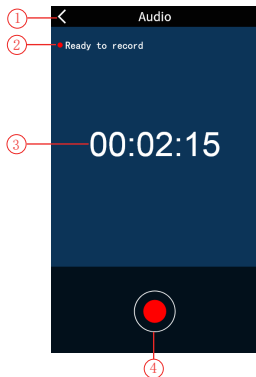
When you use the device for audio recording for the first time, please read the instructions in this section!

- (1) Press "Voice Recording Button" or click the audio recording icon "●" to start recording. The indicator will show yellow light during work mode. Please adjust the imbedded mic to the sound source.
- (2) In recording mode, press "Audio Recording" button or click the pause button to save the recorded clips.
- (3) During the Audio Recording mode, press "Video Recording" button to end recording and save recorded audio clips, while shifting to the Video Recording mode. Press "Voice Recording" to end recording and save video clips, while shifting to the Audio Recording mode.

The reference audio recording interface is shown below:



Audio Recording Illustration



- ① Return ② Recording Status
③ Recording Time ④ Recording /Pause

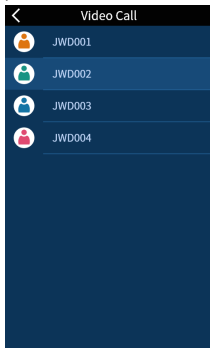


Reminder

- Please delete some unnecessary files before recording.
- 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.

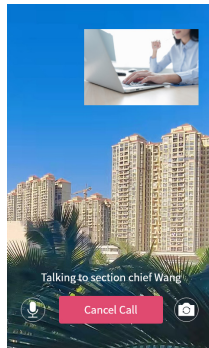
8 Video Call

Click the Video icon in the main menu to enter the video call list interface, which is shown in the following:



Click a device in the list to prompt "Whether to make a video call with the device" and click "OK" button to start a video call, and click "Cancel" to return to the video call list interface.

The video call is shown as below:



The bigger window displays the picture of the other party, and the smaller window displays your own picture. Press PTT button to transmit voice, release will disconnect voice transmission. Click "Hang up" button to end the video call.



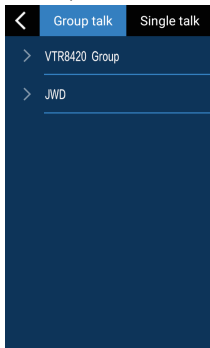
Notice

- Video calls are limited to one-to-one video call and do not support one-to-many video calls.
- The video call list displays all members in the same group.

9 Group Chat

9.1 Groups Chat

Click the Groups Chat icon in the main menu to enter the group talk interface, as shown in the below:



Click a group in the list to prompt whether to switch PTT group to "XXX", click "Cancel" to keep the original group and "OK" to switch to the group. After joining a group, you can press PTT button to speak. At the same time,

other devices in the current group can hear your voice. The group talk interface is shown as below:

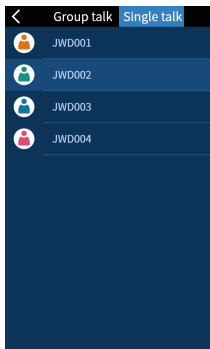


Notice

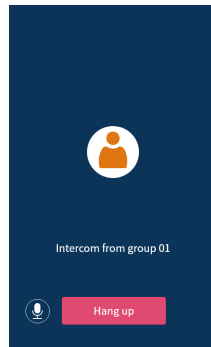
- The group talk list only shows the group you are currently joining. If you do not join any group, please contact the administrator to add.

9.2 Single Intercom

Click the Groups Chat icon in the main menu to enter the groups chat interface, and select "Single intercom" to switch to the single intercom interface, as shown in the following:



Click a device in the list to prompt "Whether to call the device". Click "OK" button to start single intercom and "Cancel" to return to the single intercom list. The single intercom is shown as below:



During intercom, click the "OK" button to end the current intercom.

Notice

- Single intercom is limited to one - to - one speech intercom and does not support one - to - many intercom.
- Single intercom list is displayed as all members of the same group.

10 Review

10.1 Video replay

Click the Replay icon in the main menu to enter the video replay file list, click the "Video" option to enter the video file list, find the corresponding folder to open and enter the file list, as shown below:



Click the file you want to play and click again to pause. The video playing interface as shown below:



Recorded File Playing Illustration

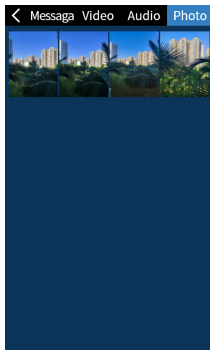


- ① Return
- ② Video title

- ③ Total Time
 - ④ Play Progress Bar
 - ⑤ Current Play Time
 - ⑥ Play/Pause
-

10.2 Photo mode

Click the File icon in the main menu to enter the file interface, and click the "Photo" option to enter photo file replay list. The photo file list is shown in the following:



Click to browse the photos and switch them by sliding

the screen left and right.

The photo browsing interface is shown in the following figure:



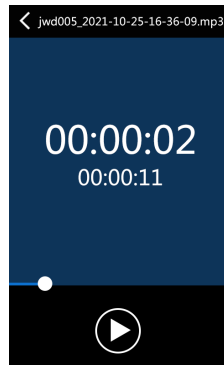
10.3 Audio mode

Click the File icon in the main menu , and click "Audio" option to enter audio file list. The audio file list is shown in the following:



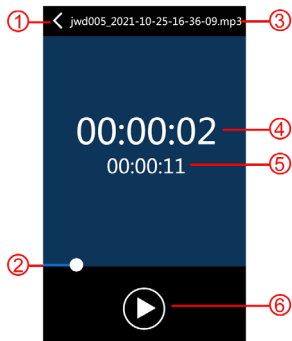
Click the file for playing in the audio play list interface, click "⏏" icon to stop playing and press "◀" button to return to the playlist.

The audio play interface is shown as below:



Click the File icon in the main menu to enter the replay.

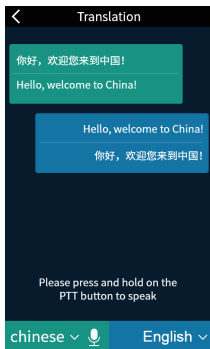
Audio File Playing Interface Illustration:



- ① Return
- ② File name
- ③ Play time
- ④ Total time
- ⑤ Play/Pause
- ⑥ Play progress bar

11 Online Translation

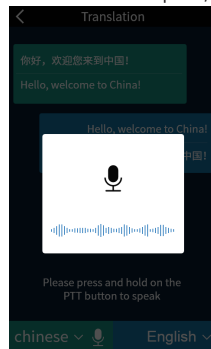
Click Translation icon in the main interface to enter the online translation interface, which is shown in the following:



The device supports Chinese-English & English-Chinese translation. Please press and hold PTT to speak and release to complete the translation. Press and hold the PTT button to speak and release to complete the translation. Click the voice broadcast icon

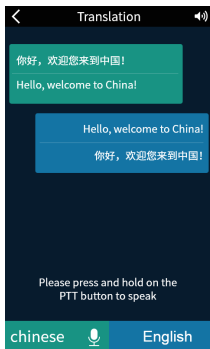
in the upper right corner to control whether to broadcast the translated content. Click the Chinese or English at the bottom to switch language.

Press and hold the PTT button to speak, as shown below:

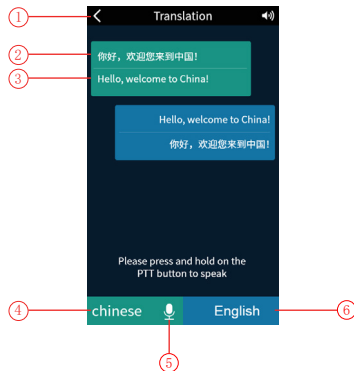


Release the PTT button to complete recognition, as shown below:

English



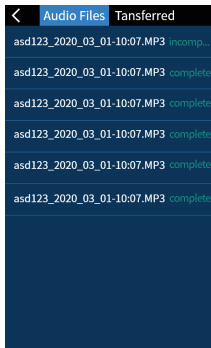
The function of online translation interface is as follows:



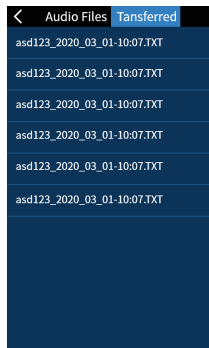
- ① Return
- ② Recognized content
- ③ Translated content
- ④ Chinese
- ⑤ Language choice
- ⑥ English

12 Voice to Text

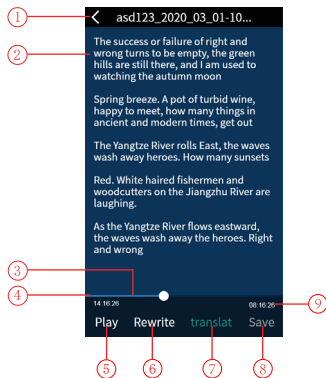
Click the voice to text icon in the main menu to enter the voice to text interface, which is the audio file by default. The audio file interface is shown in the following:



Click "Transferred text" to enter transferred text interface, as shown in the following:



Click the audio file list or the transferred text list to enter the file transfer interface, as shown in the following:



⑨ Total time

- ① Return
- ② Transferred text
- ③ Progress bar
- ④ Playback time
- ⑤ Play/Pause
- ⑥ Re-transfer
- ⑦ Transcribe complete
- ⑧ Save

13 Macro photography

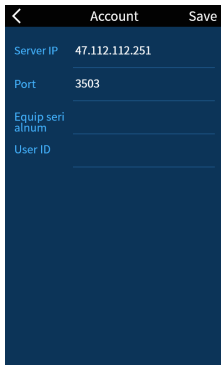
Click the macro camera menu in the main interface, enter the preview interface, press the photo button to take photos. Open the macro camera to take photos, which can automatically zoom.



14 Account Settings

The server initial IP is 8.129.0.132 and the port number is 3503 by default.

When you use the device for the first time, it will automatically enter the "Account Setting" after turning on. Also, you can enter the Settings interface by clicking "Settings" and "Account".

A screenshot of a mobile application's "Account" settings screen. The screen has a dark blue background. At the top, there is a header bar with a back arrow on the left, the word "Account" in the center, and a "Save" button on the right. Below the header, there are four input fields, each with a label on the left and a text input area on the right. The first field is labeled "Server IP" and contains the text "47.112.112.251". The second field is labeled "Port" and contains the text "3503". The third field is labeled "Equip serial num" and is empty. The fourth field is labeled "User ID" and is empty.

Please input the server IP, port number, Equipment serial number and User ID, and click "Save" button. The application will automatically restart and log in the account.

15 Media Setting

Click Media setting icon in the main interface to enter the menu list of media setting, including video resolution, photo resolution, file time, video frame rate, video encode, etc.

15.1 Video resolution

The resolution includes five levels: 640×480, 1280×720, 1920×1080 and 2560×1440. These options can meet most of your needs under various scenarios. You can slide on the screen to choose the appropriate resolution. For the same number of videos, the high resolution videos will take up more internal storage.

15.2 Photo resolution

Various photo resolution can be selected: 54MP, 48MP, 32MP, 16MP, 8MP. You can select the appropriate resolution by sliding the screen. The high resolution photos will take up more internal storage.

15.3 File time

You can Use the segment recording function to set the file time interval for each recording. There are four options: 5 minutes, 10 minutes 15 minutes and 30 minutes.

15.4 Video frame rate

The video frame rate can be set to 15 frame, 20 frame, 25 frame, 30 frame.

15.5 Video encode

Video encode: H264, H265.

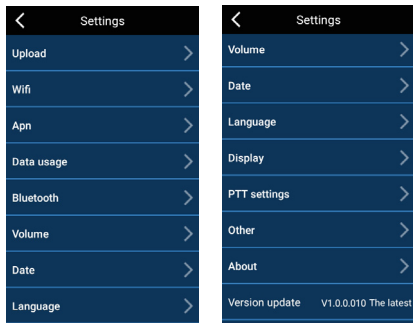
15.6 Continuous shooting

Continuous shooting offers four options: 3 photos, 5 photos, 10 photos and Off.

16 Settings

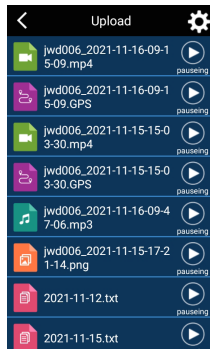
Click Settings icon in the main menu interface to enter the settings menu. The menu list of settings includes: Upload, WIFI, APN, Folw usage, Voice, Date, Display, Language, Bluetooth, PTT, Other, About, Version update and other functions. Slide the screen to select the de-sired option.

The setting interface is shown in the following figure, and the platform setting interface is shown in the fol-lowing figure:

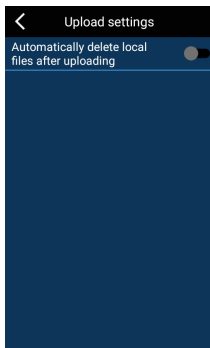


16.1 Upload

Click "Upload" in the setting interface to enter the file upload interface. The interface is as follows:



You can select a file to upload to the server based on your needs, and click "⚙️" to enter the file upload setting interface. The file upload setting interface is shown in the following :



After the “Automatically delete local files after uploading” option is turned on, if a file is successfully uploaded to the server, the local file will be automatically deleted.



Notice

- The “Automatically delete local files after uploading” option is off by default.

16.2 Wifi

Click “WIFI” to enter the WIFI setting interface.

16.3 Apn

Click “APN” to enter the Mobile network setting.

16.4 Data usage

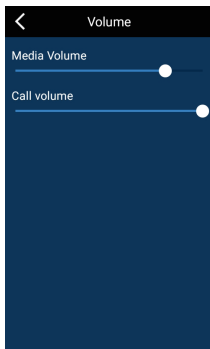
Click “Flow usage” to enter the data usage interface. You can view the data usage and restrict the network. When the background data is limited, the network charged by data will be regarded as a mobile network. A warning is issued before downloading large files.

16.5 Bluetooth

Enter into the Bluetooth settings interface, click the button, and search for connection to use.

16.6 Volume

Click “Voice” to enter the volume setting interface, which is shown as follows:



16.7 Date

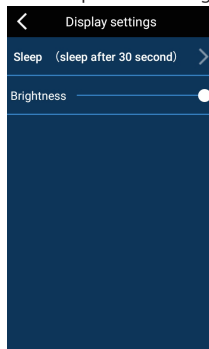
Click “Date” to enter the date setting interface and you can set the date.

16.8 Language

There are three options available: Simplified Chinese, Traditional Chinese and English

16.9 Display

Click “Display settings” to enter the display setting interface and you can set sleep time and brightness.



16.10 PTT settings

Enter the PTT setting interface to switch the default group.

16.11 Other

Click "Other" to enter others settings interface, which includes Night vision and Voice activation.

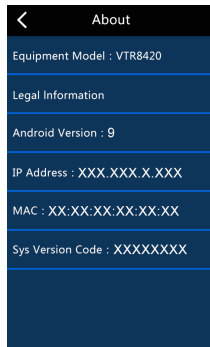
Night vision:

Always on: it's always the night vision mode, the button invalid. Manual: press the button directly to adjust whether to open the night vision mode. Automatic detection: adjust the night vision according to the photo-sensitive resistance, the button also is invalid.

The supported voice function words are: start video recording, stop video recording, start audio recording, stop audio recording, start taking pictures, turn on night vision, turn off night vision, one-touch alarm, return to the main menu, return to the upper level, end voice recording, end audio recording, volume up, volume down, view photos and video.

After the voice activation function is turned on, you will have voice prompt for video recording operation.

16.12 About



Enter this interface to view information such as version and IP address.

16.13 Version update

Click "Version update" menu to check whether there is a new version. If there is, the update dialog box will pop up.

17 FAQ

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

17.1 Unable to start

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

17.2 Incorrect time/date

It means inaccurate timing setting. Please reset the time and date in the menu.

17.3 Unclear image/video

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

17.4 Unable to record audio/video

The internal storage has run out. Please delete some of the files or transfer such files to external storage device.

17.5 Unable to play audio or video files

The battery is used up, please charge your device.

17.6 How to respond to dead halt

If you are unable to start the device, face black screen and operational failure, the normal technique is to reset: long press the power button for 10s.

18 Technical Parameters

18.1 Memory

External Memory

Standard Recording Hours (64GB): 217 hours for stereo sound mode

Type of Internal Storage: C10 TF card

18.2 Dimensions & Weight

Width* Height*Depth: 98.5×59×22 (mm)

Weight (including Battery): 156g (not including back clip)

18.3 System Requirements

Operating System: Windows 10/8/7, Mac OS

Port: MICRO USB Port

18.4 Recording

MP3

18.5 Operational Conditions

Temperature: -30°–55°C

Humidity: 10%-90%, uncondensed

PHILIPS

Warranty Card

质保书

一年质保

Type: VTR8420

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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