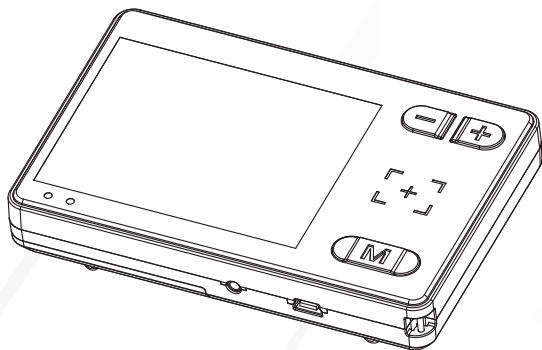


HD 3.5 Portable Digital Video Magnifier



User's Guide

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Welcome To Use

Thank you for purchasing our company's portable digital video magnifier! Please read and keep this manual carefully. It will help you to use the magnifier better and achieve the best magnifying effect.

Product Features

This Full HD 3.5 inch portable digital video magnifier is our company grand launch with high performance and high cost-effective performance.

- 720P60 design, no lag, no smear, fluent HD.
- Professional image processing DSP to restore colors and details really;
- Intelligent image enhancement algorithm; Adapting to image scene intelligently and reproducing details after zooming in;
- 3.5 inch large anti-glare screen, 960X240 resolution, high definition and high lighting;
- Custom-made high-end lens, large filed angle and extended depth of field, more text and continuous reading;
- 2X-32X infinite amplification, clear and smooth;
- Ultrathin style and portable; Zero distance design, use comfortable;
- Concave two-color button, high contrast, clear touch;
- Ergonomic bracket design, comfort to reading and fluent handwriting;
- 26 color modes to meet different people's need;
- Color mode custom-made function, any combination of enhancing mode, personalized custom;
- Picture freeze, convenient to take a close look;
- Reading line function and auxiliary continuous reading text;
- Large icon user interface, clear and concise;
- Adjustable backlight, comfortable, eye protected; White LED light brightness can be adjusted or turn off, Suitable for reading mobile phone, tablets and other reading materials;
- Memory function can automatically save the user all the last settings and remember the user's habits;

-
- Support AV and connecting to HD TV to provide greater and clearer visual effects;
 - Support external headphones to avoid the prompt tone affecting the surrounding environment
 - Flashlight can supply temporary lighting;
 - Large capacity removable battery, the ultimate power-saving design, 4 hours runtime;
 - Intelligent power-saving design; Automatic shut-down after the screen is static and no operation for 3 minutes ; Environmental protection and energy conservation;

New algorithm, new design and new configuration will bring you smooth, high-definition, portable new experience!

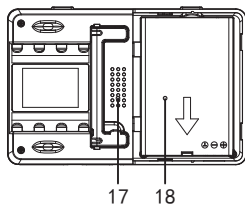
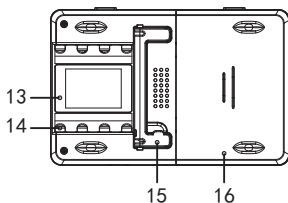
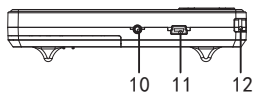
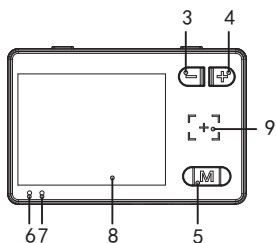
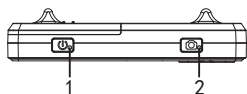
Packaging & Accessories





- | | | | |
|---------------------------|-----|-----------------------|-----|
| ● Digital video magnifier | 1PC | ● User manual | 1PC |
| ● Video output cable | 1PC | ● Sling | 1PC |
| ● USB charging cable | 1PC | ● Protective case | 1PC |
| ● Power adapter | 1PC | ● Lens cleaning cloth | 1PC |
| ● Lithium battery | 1PC | | |

Technical Specifications

- Screen size: 3.5 HD colorful LCD screen(960X240)
- Pixel size: 1 Mega pixel (720P60)
- Zoom rate: 2X ~ 32X Infinite amplifying
- Color mode: 26 kinds
- Mode custom-made: Support
- White LED adjustment: Support
- Brightness adjustment: Support
- Memory function: Support
- Image freeze: Support
- Reading line: Support
- Flashlight: Support
- TV output: Support AV
- Headphone output: Support 2.5mm headphone
- Power saving function: Support
- Low battery tips: Support
- Voice prompt: Support
- Handwriting bracket: Support
- Working time: last over 4 hours
- Battery capacity: 1500mAH high-capacity chargeable lithium battery
- Dimension: 115mm(length)x 75mm(width)x 18mm(height)
- Weight: 150g(including the battery)

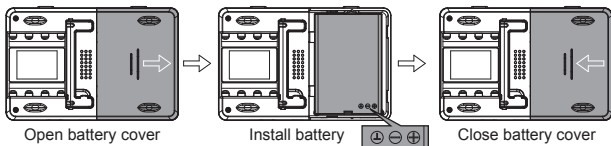
Product Structure



- | | | |
|---|----------------------------|-------------------------|
| 1. Power button  | 7. Charging indicator(red) | 13. Lens gobe |
| 2. Freeze button  | 8. LCD gobe | 14. White LED |
| 3. Zoom out button  | 9. Lens focus | 15. Handwriting bracket |
| 4. Zoom in button  | 10. AV interface | 16. Battery cover |
| 5. Mode button M | 11. USB interface | 17. Speaker |
| 6. Power indicator(green) | 12. Wrist strap shaft | 18. Battery |

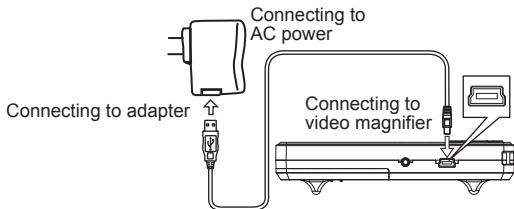
Use Introduction

1. Install battery



- Invert video magnifier;
- Hold the battery cover and push the cover towards edge to open;
- Install the battery according to the positive and negative tips;
- Cover the battery box, sliding in place when hearing the "click" sound.

2. Battery charging



- Connecting video magnifier to adapter by USB cable;
- Connecting adapter to AC power;
- Charging light(red light) is on when charging;
- Charging light(red light) will be off when complete charge;
- At the first time, please charge the battery to full
- When low battery tips, please charge the battery in time

Attention:

In the charging process, please keep the charger and the video magnifier have good heat dissipation and ventilation, so as to avoid danger caused by overheat.



3. Power on/off



Long press power button to switch on



Long press power button again to switch off



- Keep pressing **power button**  for 3 seconds while the power is off, the video magnifier will turn on, and the green indicator lights up, and video magnifier enters the vision aid mode.
- Aim the lens focus at the reading target;
- Optimal reading effect can be attained through adjusting magnifying power, enhanced mode, locking picture and the like operations;
- Keep pressing **power button**  for 3 seconds while the power is on, the video magnifier will turn off;



Attention:



For best results, remove the protective film from the LCD and lens goggles before using.

4. Use video magnifier

Color mode switch: Press **Mode button**  to switch color mode;

Zoom in and out : Press **Zoom in button**  to enlarge image and press **Zoom out button**  to shrink image.

Freeze and unfreeze image: Press **freeze button**  to freeze image and repress **freeze button**  to unfreeze image.

System parameter setting: Long press **Mode button**  to enter menu setting and long press **freeze button**  to enter information menu.

For more details, please refer to the chapter on function introduction and menu setting.

Functions Introduction

1. Color mode switch

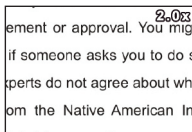
Switch the LCD screen image enhancement mode by Mode button to meet different needs.

26 kinds of image enhancement modes:

- | | |
|--------------------------|--------------------|
| 1)Color mode | 14)White on green |
| 2)Color enhancement mode | 15)Orange on white |
| 3)Negative mode | 16)White on orange |
| 4)Monochrome mode | 17)Red on black |
| 5)Black on white | 18)Black on red |
| 6)White on black | 19)Orange on black |
| 7)Blue on white | 20)Black on orange |
| 8)White on blue | 21)Yellow on green |
| 9)Yellow on black | 22)Green on yellow |
| 10)Black on yellow | 23)Red on white |
| 11)Yellow on blue | 24)White on red |
| 12)Blue on yellow | 25)Yellow on white |
| 13)Green on white | 26)White on yellow |

The desired color mode can be customized by menu setting -> color mode, details see Color mode setting section.

2.Zoom rate adjustment



2X Amplifying



16X Amplifying



32X Amplifying

By zoom in or zoom out to adjust zoom rate to achieve the best magnifying effect
This magnifier can zoom in or zoom out infinitely between 2X ~ 32X.


3. Image freeze and unfreeze



Freeze image after viewfinder



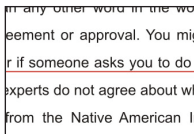
View image after freezing

Freeze button  can freeze image and can observe the image at close distance, which is not easy to watch before freezing;

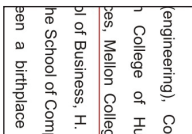
Repress **Freeze button**  to unfreeze image and recover real-time view.

4. Reading line

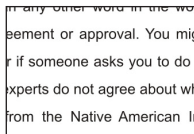
Reading lines can help text positioning to help users read quickly and continuously.




Horizontal reading line





Vertical reading line




Turn off the reading line


Long press **Freeze button**  to switch horizontal reading line, vertical reading line and close the reading line.

Moving reading line : When the reading line is flashing, the reading line is moved by pressing **Zoom in**  and **Zoom out**  buttons.

5. Flashlight

Flashlight plays the role of temporary lighting for video magnifier.

Turn on flashlight: under off status, keep pressing **freeze button**  and then press power button, flashlight is on.

Mode switch: By **freeze button**  to switch bright, slow flash, flash, gradient and close.

Brightness adjustment: **Zoom in +** or **zoom out -** can brighten or dim flashlight brightness (except for the gradient mode)

Turn off flashlight: Long press power button and flashlight will be off.

6.Memory function

After turning off, memory function can save the user all the last settings automatically and remember the user's habits;

7.Power saving

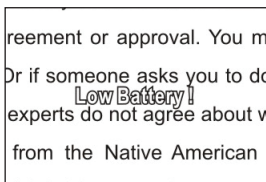
The video magnifier has intelligent power saving function. When no key operation and the screen rests for 1 minute, it will enter the sleep state automatically and the screen shows the battery power and the current date and time.



Automatically sleep

Under sleep status, pressing any key to wake up magnifier. No operation after 2 minutes, it will shut down automatically to save power.

8.Low battery tips



Low battery tips

Low battery tips function: Screen will display the low power icon at low battery, and the power light flashes.

When low battery tips, please charge the battery in time.

9. Handwriting bracket

This magnifier supports handwriting function. Open the bracket to write.

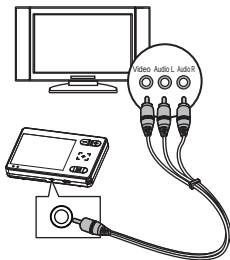


Writing on bracket

Rotate the magnifier 180 degrees for left hand writing.

10. Connecting to TV

● AV connecting to TV




Connect magnifier to TV by AV video cable to get a bigger, clearer display.

When the video magnifier enters into video output mode, the LCD screen will turn off automatically.

Menu Introduction

Long press **Mode button M** to open Menu and set the parameters;

Under menu open mode, the buttons are defined as follows:

Pressing button	Operation
Mode button M Short press	Next menu
Zoom in +	Previous menu
Freeze button 	Option setting
Zoom out -	Next option
Mode button M Long press	Exit menu

Under Preview Mode, long press **Mode button M** to enter Menu and set the parameters of the video magnifier:

LCD brightness adjustment: can adjust between 1 ~ 5.

White LED brightness adjustment: can adjust between 0 ~ 5, 0 level to turn off white LED, mainly for reading mobile phones, panel and texts on other self-luminous instruments.

Beep volume adjustment: can adjust between 0 ~ 5, 0 level is beep off .

Date and time setting: can set current date and time;

Color mode setting: can choose the required using color mode, color mode cannot be turned off.

Battery power display: Show the current battery level as a percentage;

Version information display: Show the product model, firmware version number, and firmware compilation time.

Computer configuration requirements

This digital video magnifier requires the PC to meet the following requirements:

- Windows® Win7/Vista/XP operating system;
- Intel® Pentium 4, 2.8 GHz CPU or above;
- At least 1GB RAM;
- Standard USB 2.0 or above;
- 512MB or above video card;

Precautions:

In order to keep digital video magnifier works in the best condition, please read the following notes carefully:

- Please do not expose it directly to high temperatures or sunlight;
- Please keep it away from moisture, rain, liquids and chemicals;
- Please do not use it near to electronic equipments, and medical equipments, which are not under insufficient shield;
- Please ensure that using it at temperatures between 10 ° C and 40 ° C;
- Please ensure that it is stored at temperatures between -20 ° C and 65 ° C;
- Do not try to repair or open the aids to avoid damaging warranty;
- Please use the matching power supply and battery, otherwise danger or loss will occur;
- Unplug power and remove battery before cleaning magnifier. Use soft cloth to clean it, alcohol solvents or any other cleaners cannot be used

Warning:

Don't use this magnifier during charging.

Problem solutions

Problem	Solutions
Black screen	Battery is exhausted. Please recharge. Make sure the lens focus on the reading.
cannot power on	Battery is exhausted. Please recharge.
No sound	Confirm whether the volume at 1 to 5 in the menu setting
The image is too dark or too bright.	Make sure the lens focus on the reading.
Image is blurred or dirty	Wipe the LCD screen and lens goggles.
Reading text is too small.	To adjust zoom rate by pressing the zoom in button.
Connected to the TV, but the TV is not shown.	Make sure the TV is on. When using the AV cable, switch the TV input to AV input. Make sure the video cable is properly connected to the magnifier and TV.

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欢迎使用

感谢购买使用我司便携式电子助视器

务请务必仔细阅读并妥善保管本手册，它将帮助你更好地使用助视器，达到最佳的助视效果

产品特点

本产品是我司隆重推出的一款高性能、高性价比的高清3.5寸便携式助视器。

- 采用720P60设计，无卡顿，无拖影，高清流畅
- 采用专业级图像处理DSP，真实还原色彩和细节
- 采用智能图像增强算法；智能适应图像场景，放大后细节可再现
- 采用3.5寸防眩屏幕，分辨率达960x240，高清高亮
- 采用定制高端镜头，大视野大景深，显示更多文字，保障连续完整阅读
- 支持2X~32X无极放大，清晰流畅
- 采用超薄外形，携带方便；零距离设计，使用舒适
- 采用凹文按键设计，触摸手感清晰
- 采用人体工学支架设计，阅读舒适，手写流畅
- 支持26种色彩模式，适应不同人群需要
- 支持色彩模式定制功能，可任意组合增强模式，个性化定制
- 支持画面冻结，方便近距离观看
- 支持阅读线功能，辅助连续阅读文字
- 支持超大图标用户界面，清晰简明
- 支持背光可调，舒适护眼；补光可调及关闭，适于阅读手机平板等读物
- 支持记忆功能，自动保存用户最后的所有设置，记住用户的使用习惯
- 支持AV外接高清电视，提供更大更清晰的视觉效果
- 支持外接耳机，避免提示音影响周边环境
- 支持手电筒功能，可提供临时照明功能
- 采用大容量可拆卸电池，极致省电设计，续航约4小时
- 采用智能省电设计，画面静止且无操作3分钟后自动关机，环保节能

通过全新的算法，全新的设计，全新的配置，将给你带来流畅、高清、便携的全新体验！

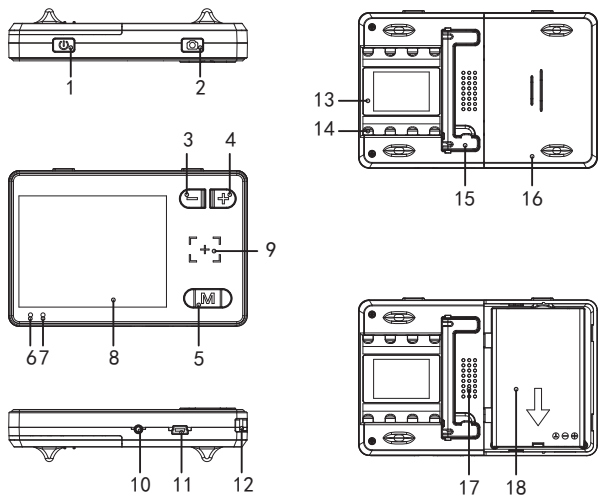
包装配件

●电子助视器	1台	●说明书	1本
●视频输出线	1根	●挂绳	1根
●USB充电线	1根	●保护套	1个
●电源适配器	1个	●擦镜布	1块
●锂电池	1个		

技术指标

- 屏幕尺寸：3.5寸高清彩色液晶屏（960x240）
- 像素大小：100万（720P60）
- 放大倍数：2X~32X无极放大
- 色彩模式：26种
- 模式定制：支持
- 补光调节：支持
- 亮度调节：支持
- 记忆功能：支持
- 图像冻结：支持
- 阅读线：支持
- 手电功能：支持
- 电视输出：支持AV
- 耳机输出：支持2.5mm耳机
- 省电功能：支持
- 低电提示：支持
- 语音提示：支持
- 手写支架：支持
- 工作时间：可连续工作4小时以上
- 电池容量：1500mAH大容量可充电锂电池
- 机身尺寸：115mm（长）x 75mm（宽）x 18mm（高）
- 机身重量：150g（含电池）

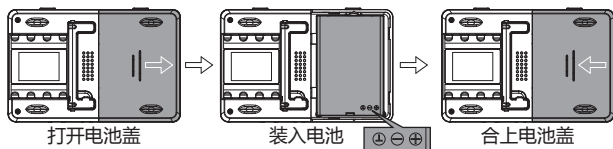
产品结构



- | | | |
|---|------------|-----------|
| 1.电源键  | 7.充电灯 (红色) | 13.镜头护镜 |
| 2.锁定键  | 8.LCD护镜 | 14.LED补光灯 |
| 3.缩小键  | 9.镜头焦点 | 15.手写支架 |
| 4.放大键  | 10.AV接口 | 16.电池盖 |
| 5.模式键  | 11.USB接口 | 17.扬声器 |
| 6.电源灯 (绿色) | 12.腕带轴 | 18.电池 |

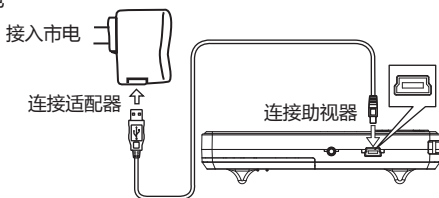
使用入门

1. 安装电池



- 将助视器倒置
- 压住电池盖盒，往边上推滑打开盖子
- 根据正负极提示安装电池
- 盖上电池盒，往里推滑到位可听到“咔”的声音

2. 电池充电



- 用USB线将助视器与电源适配器连接
- 将电源适配器接入市电
- 助视器充电灯（红灯）亮起表示正在充电
- 充电完成时，充电灯（红灯）将熄灭
- 首次使用，请将电池充电至满
- 若机器提示低电，请及时对电池进行充电

注意：充电过程中，请保持充电器和助视器有良好的散热及通风，以免过热引发危险

3.开机关机



长按电源键开机



再次长按电源键关机

- 关机状态下持续按住电源键3秒，助视器将开机，绿色指示灯亮起，进入助视模式
- 用镜头焦点对准阅读物即可使用
- 可以通过调节放大倍率，增强模式，锁定画面等操作达到最佳阅读效果
- 开机状态下持续按住电源键3秒，助视器将会关机

注意：为了达到最佳效果，使用前，请将LCD及镜头护镜的保护膜撕下

4.使用助视器

色彩模式切换：按下**模式键 M**，可进行色彩模式切换

放大缩小画面：按下**放大键 +**，可将图像放大，按下**缩小键 -**，可将图像缩小

冻结解冻画面：按下**冻结键 O**，可将画面冻结，再次按下**冻结键 O**将解冻画面

系统参数设置：长按**模式键 M**，可进入设置菜单，长按**冻结键 O**可进入信息菜单

更多详细内容请参阅功能介绍及菜单设置章节。

功能介绍

1. 色彩模式切换

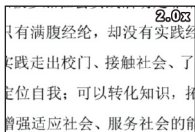
通过模式键，可以切换液晶屏的图像增强模式，以适应不同需求。

本机提供26种图像增强模式：

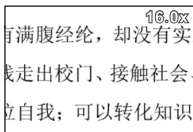
- | | | |
|-----------|------------|------------|
| 1) 彩色模式 | 10) 黄底黑字模式 | 19) 黑底橙字模式 |
| 2) 彩色增强 | 11) 蓝底黄字模式 | 20) 橙底黑字模式 |
| 3) 负片模式 | 12) 黄底蓝字模式 | 21) 绿底黄字模式 |
| 4) 黑白模式 | 13) 白底绿字模式 | 22) 黄底绿字模式 |
| 5) 白底黑字模式 | 14) 绿底白字模式 | 23) 白底红字模式 |
| 6) 黑底白字模式 | 15) 白底橙字模式 | 24) 红底白字模式 |
| 7) 白底蓝字模式 | 16) 橙底白字模式 | 25) 白底黄字模式 |
| 8) 蓝底白字模式 | 17) 黑底红字模式 | 26) 黄底白字模式 |
| 9) 黑底黄字模式 | 18) 红底黑字模式 | |

可通过**设置菜单** → **色彩模式**选项定制需要的色彩模式，具体参见**色彩模式设置**章节

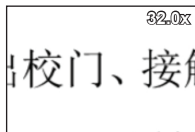
2. 放大倍率调节



2X放大



16X放大



32X放大

通过**放大键** **+** 或 **缩小键** **-**，可以调节放大倍率，以达到最佳助视效果

本机可在2X ~ 32X之间无极放大缩小



3.画面冻结解冻



取景后冻结画面

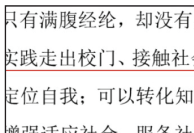


冻结后观看画面

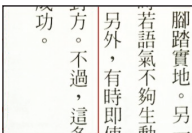
通过**冻结键** ，可以冻结画面，将不易观察画面冻结后近距离观看
再次按下**冻结键** ，可以解冻画面，恢复实时观看

4.阅读线功能

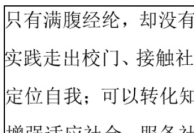
阅读线可以辅助文字定位，帮助用户快速连续的阅读。




水平阅读线



垂直阅读线



关闭阅读线

通过长按**冻结键** ，可在水平阅读线、垂直阅读线、关闭阅读线三个状态间切换。

移动阅读线：当阅读线闪烁过程中，通过按下放大键和缩小键来移动阅读线

5.手电筒功能

手电筒功能，可以在携带助视器时，起到临时照明的作用

开启手电：关机状态下，持续按住**冻结键** ，再按住开机键开机，手电将开启

模式切换：通过**冻结键** 可以在常亮、慢闪、快闪、渐变、关闭之间切换

亮度调节：通过**放大键+**或**缩小键-**可以调亮或调暗手电亮度（渐变模式除外）

关闭手电：长按**开机键**，手电将关闭

6.记忆功能

本机关机后将自动保存用户最后的所有设置，记忆用户的使用习惯

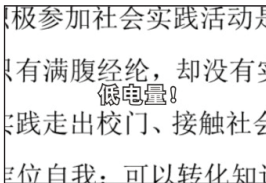
7.省电功能

本机具备智能省电功能，当无按键操作且画面静止1分钟后，助视器将自动进入休眠状态，屏幕显示电池电量以及当前日期时间：



休眠后按任意键可唤醒助视器，2分钟后仍无操作，助视器将自动关机，以节约电量。

8.低电提示



低电量提示

本机具备电池低电提示功能，低电时液晶屏将显示低电图标，并且电源灯闪烁出现低电提示时，请及时对电池进行充电

9.手写支架

本机支持手写功能，将支架打开，即可进行书写。

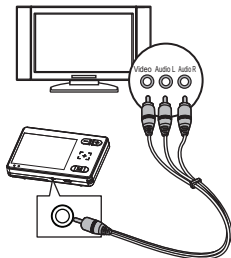


支架书写

若左手书写，将助视器旋转180度即可。

10.连接电视

●AV连接电视



使用AV视频线将机器与电视相连，可以得到更大，更清晰的显示效果
助视器进入视频输出模式后，液晶屏将会自动关闭

菜单介绍

长按**模式键 M** 可以开启菜单，进行参数设置；

菜单开启状态下，按键定义如下：

按键	操作
模式键 M 短按	下一菜单
放大键 +	上一选项
冻结键 	选项设置
缩小键 -	下一选项
模式键 M 长按	退出菜单

在预览模式下，长按模式键 可进入菜单，进行助视器参数设置：

屏幕亮度调节：可在1~5级之间调整；

补光灯亮度调节：可在0~5级之间调整，0级为关闭补光灯，主要适用于
阅读手机，平板等自发光设备上的文字；

提示音音量调节：可在0~5级之间调整，0级为关闭提示音；

日期时间设置：可设置当前的日期和时间；

色彩模式设置：可选择需要使用的色彩模式，彩色模式不可关闭；

电池电量显示：以百分比形式显示当前电池电量；

版本信息显示：显示产品型号、固件版本号及固件编译时间；

电脑配置需求

此助视器需要PC符合下列要求：

- Windows® Win7/Vista/XP操作系统
- Intel® Pentium 4, 2.8 GHz CPU或以上
- 至少1GB的RAM或以上
- 标准USB 2.0端口或以上
- 512MB或以上的视频卡

注意事项

为了保持你的助视器工作在最佳状态，请认真阅读以下注意事项：

- 请不要将助视器直接暴晒在高温或阳光下
- 请保证助视器远离潮湿，雨水，液体和化学品
- 请不要在屏蔽不足的电子设备，医疗设备附近使用助视器
- 请保证在温度10°C到40°C之间时使用助视器
- 请保证在温度-20°C到65°C之间时储存助视器
- 请不要尝试修理或打开助视器，以免损害保修
- 请使用配套的电源配器及电池，否则可能带来危险或损失
- 清理助视器前请拔出电源，取出电池，使用柔软的布，不要使用酒精溶剂或其它清洁剂

警告：

充电过程中，请不要使用本机

问题解答

问题	解决方法
助视器黑屏	电池没有电，请充电 确认镜头焦点对准了阅读物
助视器不开机	电池没有电，请充电
助视器没有声音	确认设置菜单中是否将音量设置为 1~5
助视器影像太暗或太亮	确认镜头焦点对准了阅读物
助视器影像模糊或脏污	擦拭液晶屏和镜头护镜
助视器阅读文字太小	按放大键调整放大倍率
助视器连接到电视，但电视没有显示	确认电视已经开启 使用 AV 线时请切换电视输入源为 AV 输入 确认视频线已正确连接到助视器和电视

