

5.0-Inch Portable Digital Video Magnifier



Operation Manual

Contents

5.0-Inch Portable Digital Video Magnifier.....	1
Operation Manual.....	2
Welcome to Use	3
Product Features.....	3
Packaging Accessories.....	4
Technical Index.....	4
Product Structure.....	5
Instruction for Use.....	6
1、 Installing the Battery.....	6
2、 Charging the Battery.....	6
3、 Power on and Power off.....	6
Function Introduction.....	7
1、 Switchover of Color Modes	7
2、 Zoom Rate Adjustment.....	7
3、 Switchover between Far-Focal Lens and Near-Focal Lens.....	7
4、 Images Freeze and Unfreeze	8
5、 The Function of Electronic Curtain.....	8
6、 The Function of Storage and Playback.....	8
7、 The Function of Music Play.....	8
8、 Regulation of backlight luminance.....	9
9、 Regulation of fill light intensity.....	9
10、 Flashlight Function.....	9

11、 Switchover of more or less enhanced modes.....	10
12、 Voice Prompt Switch.....	10
13、 Memory Function.....	10
14、 Power Saving Function.....	10
15、 Low Power Prompt.....	10
16、 The Function of Handle.....	10
17、 Handwriting Holder.....	11
18、 Connecting to the TV.....	11
Notes.....	11
Problem Solving.....	12

Welcome to Use

Thanks for purchasing the portable video magnifier.

Please take some minutes to read this manual. It's going to help you use the product better and attain optimal video magnifying effect.

Product Features

This product is a 5-inch high-definition portable video magnifier with high performance and high cost performance, which is launched by our company officially.

- Adoption of omni-new platform, enables topspeed 60fps, no stagnation, no image tail, fluent reading.
- Adoption of 5 inches ultra-large screen with the resolution of **800X480**, brings enjoyment of high-definition large-size screen.
- Adoption of omni-new intelligent algorithm, enables accommodating to image scenes intelligently, relaxed reading in any circumstances;
- Adoption of ultrathin shaping and zero distance design, supports the function of **handle** and convenient carry;
- Adoption of the design of **ergonomic brackets**, which can make reading comfortably and writing smoothly.
- Adoption of the high-end wide-angle lens with higher view, which can display more words and guarantee continuous and complete reading.
- Supporting **dual lens, which makes** the distant view is as clear as the nearby view.
- Supporting infinite enlargement from 4X to 32X, which can make the screen clear and smooth..
- Supporting 15 image intensification modes which can make it suitable for the needs of different people.
- Supporting the function of screen freeze, which can make it convenient for watching at close

distance.

- Supporting the function of **Electronic Curtain** which can effectively avoid light interference.
- Supporting the function of **music play** which can make the user read and enjoy music at the same time of getting relaxed.
- Supporting the function of **voice prompt** which is simple to operate and convenient for the visually impaired people;
- Supporting the adjustable backlight which can make eyes comfortable and protect eyes at the same time; the backlight can be adjusted and closed, which makes it suitable for reading materials on the phone, tablet PC and so on.
- Supporting the **storage function** which can make the user easily store and replay key materials.
- Supporting the memory function; which can automatically save all the last settings and remember users' usage habits.
- Supporting AV and external high-definition TV through **HDMI 1080i60**, which can provide larger and clearer visual effect.
- Supporting the function of flashlight which can provide temporary lighting function.
- Adoption of the design of **centered lens**, which is more suitable for the normal usage habits.
- Adoption of high-capacity detachable battery with extreme power saving design, which can provide about 4 hours of battery life.
- Adoption of intelligent power saving design enables automatically shut down in 2 minutes after the screen is static and has no operation, energy-saving and eco-friendly;

Through **new algorithm, new design and new appearance**, it will bring you new **smooth, high-definition and portable** experiences!

Packaging Accessories

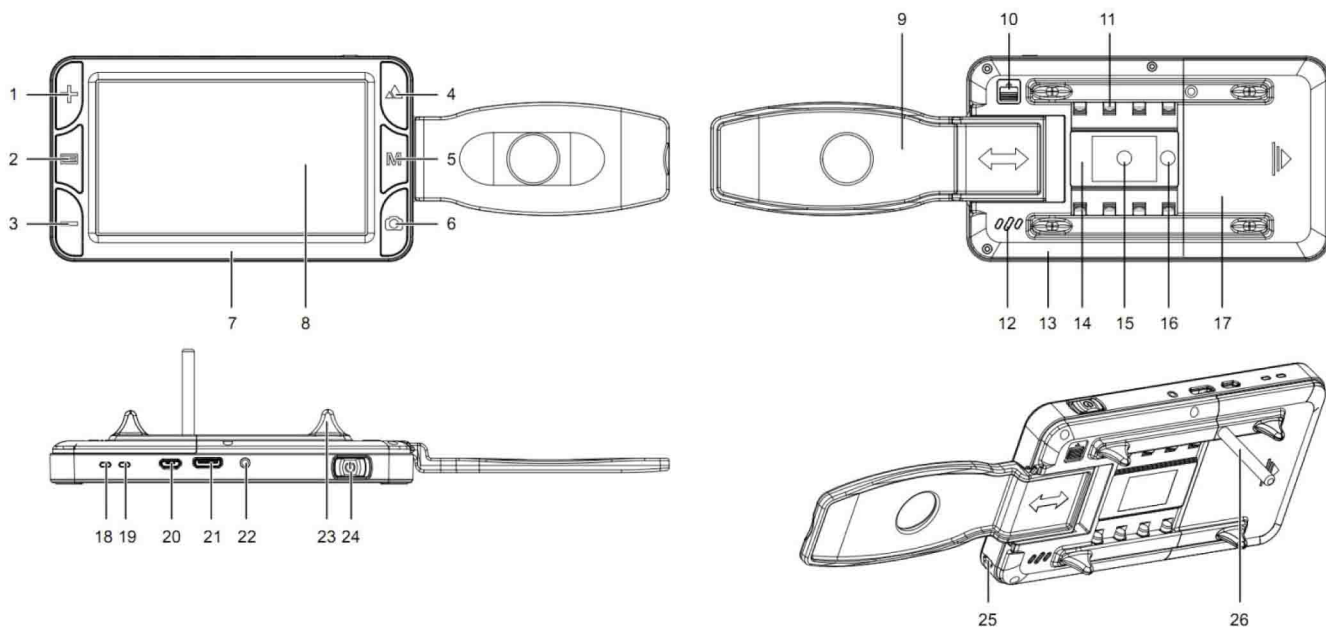
- | | | | |
|-----------------------------------|---|---------------------|---|
| ● PortableDigital video magnifier | 1 | ● Manual | 1 |
| ● Video output cable | 1 | ● Lanyard | 1 |
| ● HDMI cable (Option) | 1 | ● Protective cover | 1 |
| ● USB charging cable | 1 | ● Lens wiping cloth | 1 |
| ● Power adapter | 1 | | |
| ● Lithium battery | 1 | | |

Technical Index

- Screen size: 5.0" HD colorful LCD screen(800X480)
- Zoom rate: 4X to 32X infinite amplifying
- Pixel size: 1.2million megapixel of telescopic lens, 0.3million megapixel of near focal lens
- Color pattern: 15 kinds
- Dual lens: support

- Regulation of Fill-in light: support
- Regulation of luminance: support
- Memory function: support
- Image freeze: support
- Electronic Curtain: support
- Storage and playback: support
- Flashlight function: support
- TV output: support AV and HDMI 1080i60
- Voice prompt: support
- Holder handle: support
- Working hours: last over 4 hours
- Battery capacity: 3200mAH high-capacity rechargeable lithium battery
- Dimension: 150mm(length)x 84mm(width)x 30mm(height)
- Weight: 245g(including the battery)

Product Structure



- 1.Zoom in key
- 2.Curtain key
- 3.Zoom out key
- 4.Distance key
- 5.Mode key
- 6.Freeze key
- 7.Front shell
8. LCD

- 9.Handle
- 10.Handle tip
- 11.Fill-in light
- 12.Loudspeaker
- 13.Back shell
- 14.Lens shield
- 15.Near-focal camera
- 16.Far-focal camera

- 17.Battery cover
- 18.Power indicator light
(green)
- 19.Battery charging
- 20.Indicator light(red)
- 21.Micro USB /DCIN
interface
- 23.HDMI-C interface

24.AV interface
25.Foot pad

26.Power key
27.Wristband shaft

28.Handwriting holder

Instruction for Use

1、 Installing the Battery

Put the product upside down;

- 1.Press against the battery cover, then push and slide outward to open the cover;
- 2.Install the battery according to the hint of the positive and negative terminals;
- 3.Close the battery cover, then push and slide inward the cover in place until hearing a sound of “click”.

2、 Charging the Battery

- 1.Connect the video magnifier with the power adapter through an USB cable;
- 2.Connect the power adapter to the commercial power;
- 3.When the batter charging indicator light (red) of the video magnifier shines, it means it is being charged;
- 4.When the battery charging is finished, the charging indicator light (red) will be out;
- 5.When use the batter at the first time, please make the battery fully charged;
- 6.If the machine prompts low power, please charge the battery in time.

Attention: in the battery charging process, please keep the charger and the video magnifier have a good heat dissipation and ventilation to avoid dangers caused by overheating.

3、 Power on and Power off

- 1.When the power button is pushed to the place of “ON”, the video magnifier will start up; when the green indicator light shines, it enters into visual aid mode.
- 2.When the screen center is aimed at the reading materials, it can be used.
- 3.It can reach the best reading effect though adjusting the magnification,, enhancing the mode and locking the screen.
- 4.When the power key is pushed to the place of “OFF”, the video magnifier will be turned off.

Attention: in order to get the best effect, please tear down the protective film on the LCD and lens shield.

Function Introduction

1、 Switchover of Color Modes

With mode key, the image enhanced modes of the LCD screen can be switched to accommodate various requirements.

This machine provides 15 image enhancement modes:

1.Color mode	on	black	13.Orange character
2.Negative film	background	mode	on white background
mode	8.Black character	mode	mode
3.Gray level mode	on	yellow	14.White character
Black character on	background	mode	on orange
white background	9.Yellow character	mode	background mode
mode	on	blue	15.Red character
4.White character	background	mode	on black
on black	10.Blue character	background	background
background mode	on	yellow	16.Black character
5.Blue character on	background	mode	on red background
white background	11.Green character	mode	17.Red character
mode	on	white	on white
6.White character	background	mode	background
on blue	12.White character	mode	18.White character
background mode	on	green	on red background
7.Yellow character	background	mode	

2、 Zoom Rate Adjustment

Through using the **zoom in key** and **zoom out key**,the zoom rate can be adjusted to attain optimal video magnifying effect

The machine can be infinitely zoomed in and zoomed out from 4X to 32X.

3、 Switchover between Far-Focal Lens and Near-Focal Lens

By using the **distance key**, you can switch to looking far or looking closely, and the distant image is as clear as the near image.

Looking closely is suitable for reading the words in close distance, such as books,news papers and so on.

Looking far is suitable for watching in medium and far distance, such as blackboard, mark and so on.

4、 Freeze and Unfreeze Images

Through the **freeze key**, the image can be frozen, Therefore, intangible or obscure pictures can be viewed in close range

Press the **freeze key** again, it can unfreeze the image and recover real-time watching.

5、 The Function of Electronic Curtain

The Electronic Curtain can cover the images outside the reading area, which can improve the situation that some light sickness patients may be interfered by the needless words or images, so that they can focus on reading the words and effectively get away from the light interference.

Choose the curtain: it can switch among no curtain, horizontal curtain and vertical curtain by using the **curtain key**.

Move the curtain: when the curtain is turned on, press the **distance key** or the **freeze key** to move the curtain up/down, or to the left/right.

Adjust the curtain: when the curtain is turned on, press **curtain key** and then press the **distance key** or the **freeze key** to widen or narrow the Electronic Curtain.

6、 The Function of Storage and Playback

About the function of storage and Playback, the user can resave the materials and replay the important materials any time anywhere.

Store images: continuously press the **curtain key**, and then press the **freeze key** to store the current image to the built-in memory.

Replay the images: continuously press the **curtain key**, and then press the **mode key** to replay the files that were stored at last.

Choose files: press the **distance key** or the **freeze key** to select files forward or backward.

Delete single file: continuously press the **curtain key**, and then press the **freeze key** to delete the current file.

Delete all files: continuously press the **curtain key**, and then press the **distance key** to delete all the files.

Leave the playback: continuously press the **curtain key**, and then press the **mode key** to leave the playback and recover real-time watching.

Attention: the number of the storage files is decided by the storage medium. The built-in memory can approximately save 200 files. If the memory is full, it will automatically cover the earliest stored files.

The closely-looking files and far-looking files will be separately stored and replayed; that is, when looking far, it replays the far-looking images; when looking closely, it replays the closely-looking images.

Please operate carefully as the deleted files can't be recovered.

7、 The Function of Music Play

About the function of the music play, the user can read and appreciate the music at the same time to get relaxed entertainment.

- Copy the music:
1. Connect the video magnifier with PC through a Micro USB.
 2. It can be found a high-capacity mobile storage device on PC.
 3. Copy the music to the MUSIC file in the high-capacity mobile storage device.
 4. Safely pop up the high-capacity mobile storage device and disconnect it from the PC.
 5. It is completed after the machine is restarted.

Play music: when the music is not being played, continuously press the **freeze key** and then press the **curtain key** to start the music.

Pause music: when the music is being played, continuously press the **freeze key** and then press the **curtain key** to stop playing the music.

Choose the music: when the music is being played, continuously press the **freeze key** and then shortly press the **zoom in key** or **zoom out key** to choose the music.

Adjust the volume: when the music is being played, continuously press the **freeze key** and then long press the **zoom in key** or **zoom out key** to adjust the volume.

Stop the music: when the music is being played, continuously press the **freeze key** and then long press the **curtain key** to stop the music.

Attention: storing music will occupy the space of memory and influence the number of storage files.

When the music is being played, it will consume a lot of system resources, which can lower the image fluency.

8、 Brightness Adjustment of the Backlight

Continuously press the **mode key** and then press the **zoom in key** or the **zoom out key** to brighten or darken the backlight brightness of LCD to get the best visual effect.

This machine provides 5 levels of brightness, 20%, 40%, 60%, 80% and 100%.

Attention: enhancing the brightness will make the battery life shortened.

9、 Intensity Adjustment of Fill Light

Continuously press the **distance key**, and then press the **zoom in key** or **zoom out key** to adjust the intensity of the fill light to improve the effect.

The machine provides 6 intensity levels, such as shut, 20%, 40%, 60%, 80% and 100%.

[When the intensity level is shut, it is suitable for reading the materials on the phone and tablet PC and so on that are self-luminous.](#)

Attention: enhancing the intensity of the fill light will make the battery life shortened.

10、 The Function of Flashlight

The flashlight can be used as the temporary lighting when the video magnifier is carried.

Turn on the flashlight: under the off state, continuously press the curtain key and then push the power key to the place of "ON" to turn on the flashlight.

Switch the mode: it can switch among normal on, slow flash, fast flash, gradual change and close.

Adjust the brightness: it can brighten or darken the brightness of the flashlight (except for the mode of gradual change).

Turn off the flashlight: push the power key to the place of “OFF” to turn off the flashlight.

11、 Switchover between More Mode and Less Mode

Continuously press the **mode key** and then press the **curtain key** to switch the more-and-less mode to meet different requirements.

The machine provides more modes which include 15 kinds and fewer modes which include the former 7 kinds.

12、 Voice Prompt Switch

About the function of voice prompt, it can make all the operations prompted through human voice. It is simple and clear to operate and specially suitable for the visual impaired people

Continuously press the **distance key** and then press the **curtain key** to shut down the voice prompt to fit the mute requirement.

Continuously press the **distance key** and then press the **curtain key** again to turn on the voice prompt.

Attention: in the process of playing music, the voice prompt will automatically be shut down.

13、 Memory Function

After the machine is turned on, it will automatically save all the last settings of to remember the usage habits of the user.

14、 Power Saving Function

The machine owns intelligent power saving function. In 2 minutes after the image is static and there is no keys operation, the video magnifier will automatically be turned off to save power.

15、 Low Power Prompt

The machine owns the low power prompt function. When the power is low, there is a low power icon on the LCD and the power indicator light will shine.

When the low power prompt appears, please charge the battery in time.

16、 The Function of Handle

The machine supports the function of handle which is convenient for the users to move and operate the machine.

Install the handle: put the machine upside down and make the handle outward and the concave surface of the handle face you, and then push the handle into the card slot.

Take down the handle: put the machine upside down, pull out the handle pin with one hand and take out the handle directly.

Pack up the handle: put the machine upside down and make the handle inward and the plane of the

handle face you, and then push the handle into the card slot.

Attention: the handle is designed to have protection function. If the installation method is wrong, it can't be installed. Please don't force it in to avoid damaging the machine.

If you are used to using the left hand, you only have to rotate the video magnifier for 180 degrees.

17、 Handwriting Holder

The machine supports handwriting function which can be realized after the holder of the video magnifier is screwed in the nut of the holder and the video magnifier is placed uprightly.

The holder makes an angle between the video magnifier and the desk top, which meets the ergonomics and makes the user relaxed and comfortable as it makes the neck keep in a natural state when the user is reading.

If using the left hand to write, you only have to rotate the video magnifier for 180 degrees.

18、 Connect TV

Connecting the machine with TV though an AV video line, it can get a larger and clearer display effect.

Connecting the machine with TV through a HDMI line will get a clearer and smoother display effect than connecting the machine with the AV video line.

After the video magnifier enters into the video output mode, the LCD will automatically be turned off.

Notes

In order to keep your video magnifier work in the best state, please read the following notes carefully:

Please don't directly expose the video magnifier to the heat and sun;

Please guarantee that the video magnifier is far away from the moisture, rain, liquid and chemicals;

Please don't use the video magnifier around the digital equipments and medical equipments that are not well shielded.

Please guarantee to use the video magnifier in the temperatures from 10°C to 40°C.

Please guarantee to store the video magnifier in the temperatures from -20°C to 65°C.

Please don't try to repair or open the video magnifier to avoid the warrantable damage.

Please use the assorted power adapter and battery for fear of bringing possible dangers and losses.

When cleaning the video magnifier, pull out the power and take out the battery. Clean it with soft cloth instead of ethyl alcohol or other detergents.

Warning:

When charging the battery, please don't use the machine.

Problem Solving

Problems	Solutions
<p>The screen of the video magnifier goes dark.</p>	<p>Make sure if the power key is pushed to the place of “ON” or not.</p> <p>Try to push the power key to the place of “OFF” and then push to the place of “ON”.</p> <p>The battery maybe has no power, please charge it.</p> <p>Make sure if the focal point of the lens is aimed at the reading materials or not.</p>
<p>The video magnifier can't be started up.</p>	<p>The battery maybe has no power, please charge it.</p>
<p>The image of the video magnifier is too dark or too bright.</p>	<p>Make sure if the focal point of the lens is aimed at the reading materials or not.</p> <p>Make sure if the lens (distance lens) is chosen appropriately or not.</p>
<p>The image of the video magnifier is blur or dirty.</p>	<p>Clean the LCD and the lens shield.</p> <p>Make sure if the lens (distance lens) is chosen appropriately or not.</p>
<p>The reading characters on the video magnifier is too small.</p>	<p>Press zoom in key to zoom in the rate.</p>
<p>When the video magnifier is connected to TV, but TV has no display.</p>	<p>Make sure if TV is started up or not.</p> <p>When using AV line, please switch the TV input source to AV input.</p> <p>When using HDMI line, please switch the TV input source to HDMI input.</p> <p>Make sure if the video line is correctly connected to the video magnifier and TV or not.</p>