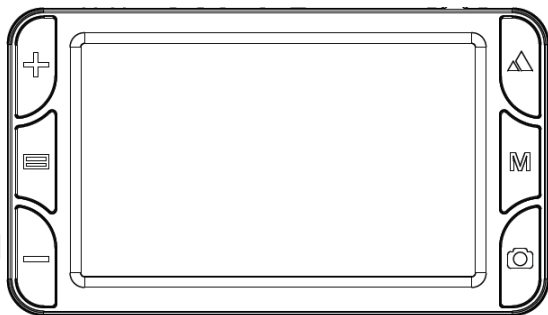


ViSee™ 5.0" Digital Portable Video Magnifier

Model: LVM-500



User's Guide

Oasis Scientific Inc.

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ViSee™ LVM-500 Portable Digital Video Magnifier

Thank you for using our product

Thanks for purchasing ViSee™ portable video magnifier. Please take some time to read this manual. It will help you use the product better and get the optimal video magnifying effect.

Features of our product

This product, LVM-500, is a 5" high-definition portable video magnifier with high performance and an affordable price.

- New technology platform enables top speed 60fps, no stagnation between image changes, no image shadowing, and smooth reading.
- 5 inches ultra-large screen with the resolution of 800X480 brings enjoyment of high-definition large-size screen.
- New intelligent algorithm enables accommodating to image scenes intelligently, relaxed reading in any circumstance.
- Ultra-thin body design with convenient and sturdy handle, easy to carry.
- Ergonomic bracket design makes reading more comfortable and writing smooth.
- High-end wide-angle lens with higher view can display more words and guarantee continuous and comfortable reading.
- Supporting dual lens, which makes the distant view as clear as the nearby view.
- Support continuous enlargement from 4X to 32X, which can make the screen clear and smooth.
- Supporting 15 image intensification modes, which can meet the needs of different people.
- Screen freeze function makes it convenient for watching at close distances.
- Electronic Curtain can effectively eliminate light interference.
- Music play function makes the user to read and enjoy music at the same time.

ViSee™ Portable Digital Video Magnifier

- Supports the function of voice prompt which is simple to operate and convenient for visually impaired people;
- Supports the adjustable backlight which can make eyes comfortable and protect eyes at the same time; the backlight can be adjusted and turned off, which makes it suitable for reading materials on the phone, tablet PC and other electronic devices.
- Supports the storage function which can help users easily store and replay key materials.
- Supports the memory function; which can automatically save all the last settings and remember the users' usage habits.
- Supports AV and external high-definition TV through HDMI 1080i60, which can provide a larger and clearer visual effect.
- Supports the function of flashlight which can provide a temporary lighting function.
- Adoption of the design of a centered lens, which is more suitable for the normal usage habits.
- Adoption of high-capacity detachable battery with an extreme power saving design, which provides 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, this device will bring you a new, smooth, high-definition and portable experience!

Packaging Accessories

● Portable digital video Magnifier	1 PCS	● Lithium battery	1 PCS
● Video output cable	1 PCS	● Manual	1 PCS
● HDMI Cable (Optional)	1 PCS	● Sling	1 PCS
● USB charging cable	1 PCS	● Protection cover	1 PCS
● AC power adapter	1 PCS	● Wiping cloth	1 PCS

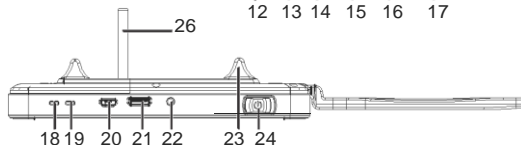
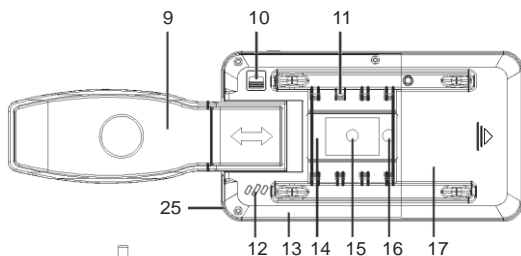
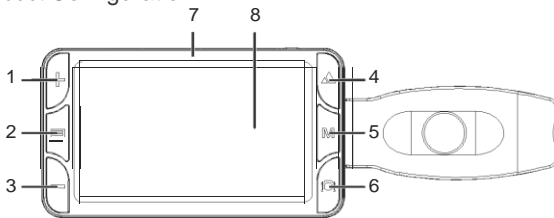
Portable Digital Video Magnifier

Technical specification

- Screen size: 5.0" HD colorful LCD screen(800X480)
- Zoom range: 4X to 32X continuous magnification
- Resolution: 1.2 megapixel (far focal), 0.3 megapixel (near focal)
- Color mode: 15 kinds
- Dual lens: one close view lens and one far view lens
- Adjustment of Fill-in light: support
- Adjustment 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
- Sound prompt: support
- Holder handle: support
- Working hours after full charge: over 4 hours
- Battery capacity: 2500mAH high-capacity rechargeable lithium battery
- Dimension: 150mm(length)x 84mm(width)x 30mm(height)
- Weight: 245g (including battery)

Portable Digital Video Magnifier

Product Configuration



- | | | |
|-----------------|-----------------------------------|--|
| 1. Zoom in key | 10. Handle tip | 19. Battery charging Indicator light (red) |
| 2. Curtain key | 11. Fill-in light | 20. Micro USB /DCIN interface |
| 3. Zoom out key | 12. Loudspeaker | 21. HDMI-C interface |
| 4. Distance key | 13. Back shell | 22. AV interface |
| 5. Mode key | 14. Lens shield | 23. Foot pad |
| 6. Freeze key | 15. Near-focal lens | 24. Power key |
| 7. Front shell | 16. Far-focal lens | 25. Wristband shaft |
| 8. LCD | 17. Battery cover | 26. Handwriting holder |
| 9. Handle | 18. Power indicator light (green) | |

ViSee™ LVM-500 Portable Digital Video Magnifier

Instruction for Use

- 1、 Install the Battery
 - a、 Turn the product over
 - b、 Press against the battery cover, then push and slide outward to open the battery cover.
 - c、 Install the battery according to the hint of the positive and negative terminals, and push the battery in right place.
 - d、 Close the battery cover, then push and slide inward the cover in place until hearing a sound of “click”.
- 2、 Charging the Battery
 - a、 Connect the video magnifier with the power adapter through an USB cable.
 - b、 Connect the power adapter to the commercial power.
 - c、 Recharging is underway when magnifier’s charging indicator is on (red).
 - d、 When the battery charging indicator light (red) of the video magnifier shines, it shows that it is being charged.
 - e、 When the battery charging is finished, the charging indicator light (red) will turn off.
 - f、 Please make sure that the battery is fully charged for first time use.
 - g、 If the machine prompts low power, please charge the battery immediately.

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

- 3、 Power on and Power off
 - a、 When the power button is in the “on” position, the video magnifier will start up; when the green indicator light shines, it enters into visual aid mode.
 - b、 When the screen center is placed over the reading materials, it can be used.
 - c、 The best reading effect can be reached through adjusting the magnification, enhancing the mode and locking the screen.
 - d、 When the power key is pushed to the “OFF” position, the video magnifier will shut down.

Attention: in order to get the best effect, **please remember to remove the protective films on the LCD screen and on the lens shield.**

Portable Digital Video Magnifier

Functions

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 | 9)yellow-background and black-text mode |
| 2)negative mode | 10)blue-background and yellow-text mode |
| 3)monochrome mode | 11)yellow-background and blue-text mode |
| 4)white-background and black-text mode | 12)white-background and green text mode |
| 5)black-background and white-text mode | 13)green-background and white-text mode |
| 6)white-background and blue-text mode | 14)white-background and orange-text mode |
| 7)blue-background and white-text mode | 15)orange-background and white-text mode |
| 8)black-background and yellow-text mode | |

2、 Zoom Rate Adjustment

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

The machine can be infinitely be 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 viewing a farther distance, or more closely, and the distant image is as clear as the near image.

Viewing closely is suitable for reading the words in close distance, such as books, newspapers and other similar items.

Viewing from a father distance is suitable for viewing items from medium to far distances, such as a blackboard, or signs.

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, and it will unfreeze the image and recover real-time viewing.

Portable Digital Video Magnifier

5. Electronic Curtain Function

The Electronic Curtain can cover up images outside the desired reading area, which can benefit individuals who are sensitive to light or have other visual problems where additional words or images can be distracting. One can then focus on reading the words and effectively avoid light interference.

Choose the curtain: You can switch between no curtain, a horizontal curtain and a 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 the curtain key and then press the distance key or the freeze key to widen or narrow the Electronic Curtain.

6. Storage and Playback Function

With the Storage and Playback function, the user can resave the materials and replay the important materials anytime and anywhere.

Store images: Press and hold down the curtain key, and then press the freeze key at the same time to store the current image to the built-in memory.

Replay the images: Press and hold down the curtain key, and then press the mode key to replay files that are stored.

Choose files: press the freeze key (to go forward) or the distance key (to go back) to select different saved files.

Delete single file: Press and hold down the curtain key, and then press the freeze key at the same time to delete the current file.

Delete all files: Press and hold down the curtain key, and then press the distance key at the same time to delete all files.

Leave playback : Pres and hold down 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 save approximately 200 files. If the memory is full, it will automatically cover the earliest stored files.

Files are separately stored and replayed depending on the viewing distance selected. For example, when viewing from a far or closer distance, it replays the files previously saved from that distance

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

Portable Digital Video Magnifier

7. Music Play Function

With the function of the music play, the user can read and appreciate music that they have previously saved on their computer.

- 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: To play music you have, press and hold down the freeze key and then press the curtain key to start the music.

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

Choose the music: when the music is being played, press/hold down 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, press/hold down 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, press/hold down 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.

Portable Digital Video Magnifier

9、 Intensity Adjustment of Fill Light

Press/Hold Down 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 mobile phones and tablet PCs and devices that are self-luminous.

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

10、 Flashlight Function

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

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

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

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

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

Press/Hold Down 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、 Sound Prompt Switch

About sound prompt, the device can accompany all the operations with audible sounds. It is simple and especially suitable for the visual impaired people. Continuously press the distance key and then press the curtain key to shut off the sound prompt to mute all operations.

Continuously press the distance key and then press the curtain key again to turn on the sound prompt, so all operations have a sound indication.

Portable Digital Video Magnifier

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 has a 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.

16、 The Handle Function

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

Install the handle: turn the machine over 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: turn 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 a 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 left handed, you only have to rotate the video magnifier for 180 degrees.

17、 Handwriting Holder

The machine supports a 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 upright.

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 keeps the neck in a natural state when the user is reading.

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If using your left hand to write, you simply need to rotate the video magnifier 180 degrees.

18. Connect to a TV or monitor

Connecting the device to a TV though an AV video line, can provide a larger and clearer display effect.

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

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

Notes

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

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

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

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

Please use the video magnifier in temperatures from 10℃ to 40℃.

Please store the video magnifier in temperatures from -20℃ to 65℃.

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

Please use the included power adapter and battery to avoid possible dangers and losses with other external batteries/adaptors.

When cleaning the video magnifier, disconnect the power outlet 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 device.

Portable Digital Video Magnifier

Troubleshooting

Problems	Solutions
The screen of the video magnifier goes dark.	Make sure that the power key is pushed to the place of "ON". Try to push the power key to the place of "OFF" and then push back to the place of "ON". The battery maybe has no power, please charge it. Make sure that the focal point of the lens is aimed at the reading materials.
The video magnifier can't be turned on.	The battery maybe has no power, please charge it.
The image of the video magnifier is too dark or too bright.	Make sure the focal point of the lens is aimed at the reading materials. Make sure the right lens (distance lens) is chosen appropriately.
The image of the video magnifier is blurred or dirty.	Clean the LCD and the lens shield. Make sure the lens (distance lens) is chosen appropriately and protection films are removed
The reading characters on the video magnifier is too small.	Press zoom in key to zoom in.
When the video magnifier is connected to TV, but TV has no display.	Make sure TV is turned up. When using AV line, please switch the TV input source to right AV input. When using HDMI line, please switch the TV input source to HDMI input. Make sure the video line is correctly connected to the video magnifier and TV.

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