

User Manual

MagniLink S PREMIUM 2 - Chromebook

LVI America Inc.

302 Saunders Road, Suite 200 Phone: (888) 781-7811 info@lviamerica.com

Riverwoods, IL 60015, USA www.lviamerica.com

LVI Low Vision International

 Verkstadsgatan 5
 Tel: +46 470-727700
 info@lvi.se

 SE-352 46 Växjö
 Faks: +46 470-727725
 www.lvi.se



Table of Contents

А	bout LVI	5
Ir	ntroduction to the MagniLink S	6
Ir	nformation	8
3.1	Reuse, installation and maintenance	8
3.2	Cleaning	8
	_	
	· ·	
	,	
Н	ardware	15
6.1	Installation of hardware	15
6.2	Installation of docking station	16
	_	
	,	
	·	
7.4	Licensing	24
	_	
	_	
	<u>o</u>	
	Ir 3.1 3.2 3.3 4.1 6.1 6.2 6.3 7.1 7.2 7.3 7.4 7.5 V	3.2 Cleaning 3.3 Safety information





1 About LVI

LVI Low Vision International AB was founded in 1978 and is one of the world's leading manufacturers of magnifying TV- and computer systems for visually impaired. New products are developed in close cooperation with users and professional personnel of vision rehabilitation. LVI is a Quality System Certified ISO 9001 and Environmental System Certified ISO 14001 company.

The information in this manual has been carefully checked and is believed to be accurate. However, LVI assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will LVI be liable for direct, indirect, special, exemplary, incidental, or consequential damages resulting from any defect or omission in this manual. In the interest of continued product development, LVI reserves the right to make improvements in this manual and the products it describes at any time, without notice or obligation.



2 Introduction to the MagniLink S

Thank you for choosing this video magnifier. We aim to ensure that you are completely satisfied with your choice of supplier and reading aid.

The MagniLink S is a portable camera system with autofocus, which can be connected to a computer or directly to an external monitor. The system is controlled via a keyboard and/or control box. MagniLink S is available in a number of different models. Choose model in the following steps:





Choose reading camera HD or FHD.

Model	Camera
MLS-HD-2	HD (720p)
MLS-FHD-2	FHD (1080p)

Choose among the following accessories.

Product code	Accessory
А	Text To Speech for PC
В	Text To Speech for Mac

CE	The systems complies with all CE certification requirements for medical devices in accordance with EU regulation 2017/745.



3 Information

3.1 Reuse, installation and maintenance

The device may only be technically overhauled and prepared by an authorized company. Re-use may only be carried out after appropriate inspection and cleaning / disinfection.

3.2 Cleaning

Before equipment cleaning and maintenance note:

- Disconnect the device from the power supply before cleaning.
- Use a slightly damp (not wet) cloth and a cleaning / disinfectant agent intended for monitors and computers.
- Do not allow any liquids to enter the device.

3.3 Safety information

The reading aid is only intended for indoor use and must be used in accordance with the following safety instructions.

- Use only the power adaptor supplied with MagniLink S. If the wrong type of adaptor is used for operation of MagniLink S, this can cause damage to the system.
- Units such as HDMI monitors and/or computers that are to be connected to the system must comply with the appropriate safety regulations for their country of use.
- Never turn on or use the product if it has been exposed to water, rain or other liquids. Pull out the USB cable and allow trained service personnel to carry out an inspection of the product before it is used again.
- Place the power cord in such a way that you can neither trip over it or that crush damages can occur.
- If the product is moved from the cold into a warm room, condensation (moisture) can form inside the unit or on the camera lens. To prevent problems with condensation, the apparatus should be installed in the room at least 30 minutes prior to usage.
- If the system requires cleaning, pull out all cables and use a slightly damp (not wet) cloth. Use only water or a cleaning agent that is intended for monitors and computers.



- Do not rely 100 per cent on the results of an OCR conversion; the OCR engine can misinterpret the text. This is particularly important to bear in mind when processing sensitive information such as a medical prescription.
- Make no further adjustments, even if the product does not function normally after following the functional descriptions. Pull out the USB cable and contact service personnel or the product distributor. Only use spare parts that are specified by LVI

If in doubt, contact your supplier.

Warning



MagniLink S is supplied packed in a plastic bag. To avoid risk of suffocation, keep the bag out of the reach of children and infants.



4 Unpacking

The system is supplied in a box with the following contents:



- Reading camera
- Removable USB/HDMI module
- USB cables
- Case
- USB memory stick with software
- Polishing cloth
- User Guide
- Power adaptor
- HDMI to HDMI cable

Check first that the box has no damage to its exterior. In the event of damage, contact the delivery company and file a notification of damage.

Open the box and take out the MagniLink S; remove the white packaging. For further information see Installation.



4.1 Packaging

The packaging consists of the following packaging material (LVI recommends that the packaging be kept in case you have to return the system or you need to move it):

- Packing material (EPE)
- Box (corrugated cardboard)
- Polyethylene (LDPE4)

For sorting and collection of packaging material, please call the packaging collection customer service department for information on the rules that apply in your municipality.



5 Accessories



Larger external control box (MLV-A110A).



MagniLink Reading Table (MLRT), portable reading table.





LVI Monitor 19" (MLS-A103) and 23" (MLS-A104).



MagniLink Docking Station 2 (MLS-A106) with reading table.





MagniLink Docking Station 2 (MLS-A107) with a plate.



MagniLink Docking Station 2 (MLS-A108) with table clamp.



Text To Speech for PC (TTS-PC) or Mac (TTS-MAC).

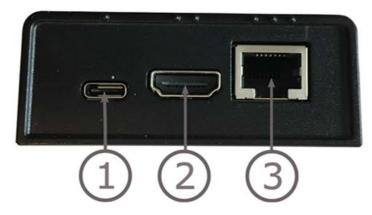


6 Hardware

6.1 Installation of hardware



Open the camera's arm and pull out the camera's supporting legs. It is not possible to manipulate the camera's arm until the supporting legs have been extended.



The USB/HDMI module has several connection options.

1. USB connection

In addition to transferring images to a computer, the USB connection is used to provide power to the system.



2. HDMI connection

Here the camera can be connected to a monitor that supports HDMI or DVI.

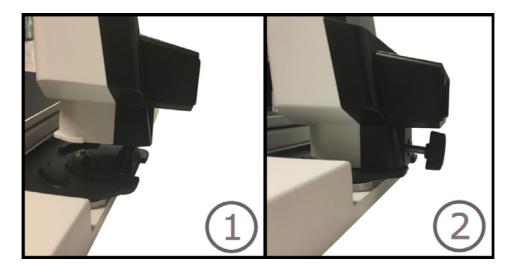
3. External control panel

An external control panel can be connected via this input. If the camera is linked to a docking station, the control panel must be connected before you attach the USB connection.

6.2 Installation of docking station

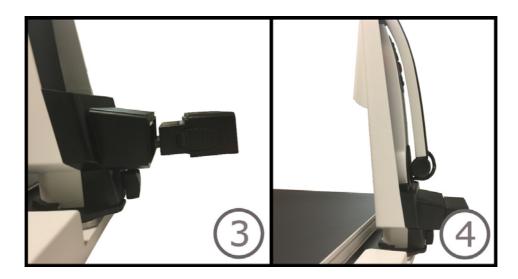
If you bought a MagniLink Docking Station, follow the instructions below to install it.

A MagniLink Docking Station consists of a camera holder and a reading table, plate or table clamp. If it is the variant with a table clamp, fasten it to the table.



- 1 Place the holder in the reading table, plate or table clamp.
- 2 Fasten the holder with the screw.

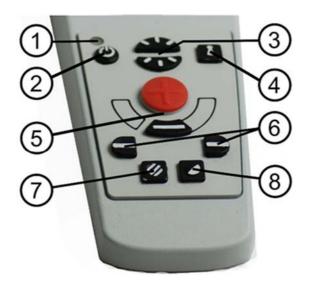




- 3. Remove the USB / HDMI module from the camera and insert it into the holder.
- 4. Place the camera in the holder.

6.3 Using the hardware

6.3.1 Control box



1. LED

A green light indicates that the system is on. A flashing green light means that the system is starting up. A slowly flashing yellow light indicates standby. A red light indicates that something is wrong in the system. See the chapter on Troubleshooting page 45.

2. Power on/off

Press to start or shut down the system.



3. Lighting configuration

Used to configure the light intensity in order to optimize reading conditions. Press the upper half to increase the light intensity and the lower half to decrease it. For systems that have LED lighting, the intensity is adjusted by holding down the button (7).

4. Autofocus on/off

Press the button once to lock the focus. This can be used when you wish to write by hand. Autofocus is not affected by the pen or your hand. Press the button a second time, to reactivate autofocus.

5. Zoom control

Used to set the zoom. To reduce the zoom, press the lower key (minus) and to increase the zoom, pressure the upper key (plus).

6. Reference line/Bar

Adjust the position of the reference line. Press the right-hand button to move the horizontal line down. Hold the button in to change the reference line to vertical and move it to the left. The reference line then becomes a horizontal bar which diminishes the viewing area. To make the bar vertical, press the button again. The left button gives the opposite result.

7. Picture mode

Press the button to switch the picture mode between natural colours and grey scale.

Lighting adjustment

Hold the button down to temporarily enable adjustment of the lighting via the lighting configuration (3). When the lighting configuration (3) is used to adjust the lighting, there is no switching between colour and grey scale (only possible if the system has LED lighting).

Mirroring

A mirror image can be obtained by holding the button down for three seconds.

8. High contrast modes with artificial colours

Press the key to switch between the various colour combinations. **Rotation**

By holding the button down for three seconds, the image can be rotated 180 degrees.



6.3.2 Position sensor



MagniLink S is equipped with a position sensor that is used to switch between reading mode (the user points the camera down and flips the lens into place) and distance mode (the user opens the lens). The settings for both modes are automatically saved when you switch from one to the other.

Settings that are automatically saved for these modes are:

- Artificial colours
- Negative/Positive/Natural colours
- Light
- Magnification level
- Reference line/Bar
- Rotation of camera image
- Mirroring of camera image



7 MagniLink ChromeViewer

MagniLink ChromeViewer is a software used on a Chromebook to display images from a MagniLink camera system. The software controls camera properties such as magnification level, artificial colours and brightness. When a license is obtained, it is possible to OCR process a text and have it read by a speech synthesizer.

7.1 Minimum system requirements

- Chrome OS version 98
- 1 integrated USB 3.0 port.
- Intel Celeron, 2 GB RAM

7.2 Recommended system requirements

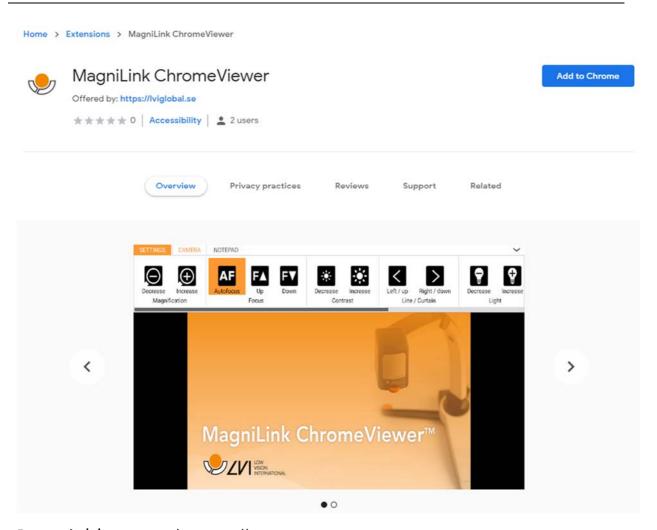
- Chrome OS version 98
- 1 integrated USB 3.0 type A-port
- Intel i5 processor
- 4 GB RAM

7.3 Installation of software

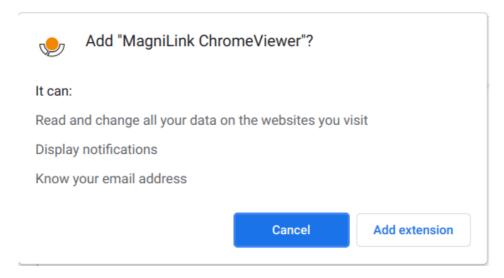
MagniLink ChromeViewer is available for download from the Chrome Web Store. In case you cannot find the application via the search function at the Chrome Web Store, there is a direct link on our website that will take you directly to the installation page.

The link will open a new page with the Chrome Web Store and the MagniLink ChromeViewer will be selected automatically.



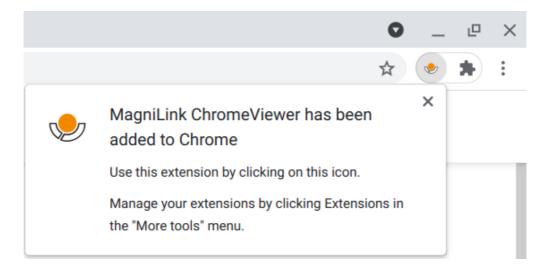


Press Add to start the installation.

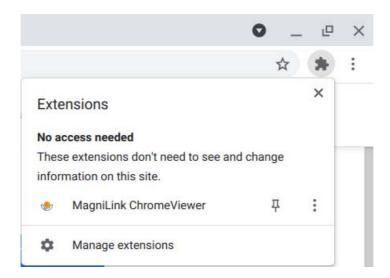


You will then see an information box that explains what the application is able to do, click **Add app** to proceed.





The installation is now complete and you can start the application by following the instructions and clicking the highlighted icon. It is also possible, as described in the picture above, to press the App button to start the application.

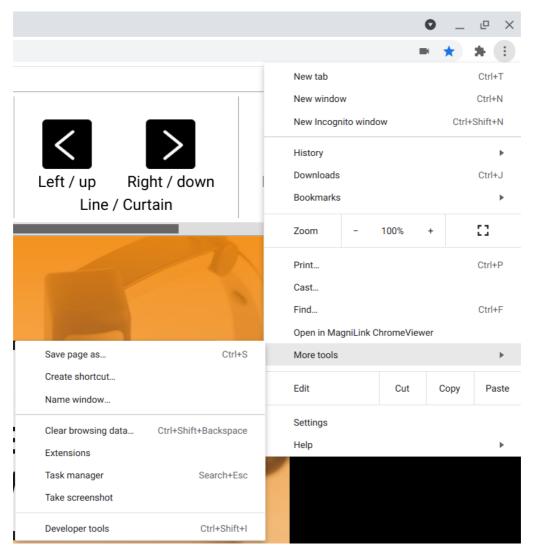


If you want access to MagniLink ChromeViewer in the App Launcher with the option to attach the application to the start area, do as follows.

- 1. Launch MagniLink ChromeViewer.
- 2. Go to Settings.
- 3. Press the Copy URL button located under the About settings page to copy the address to the app.

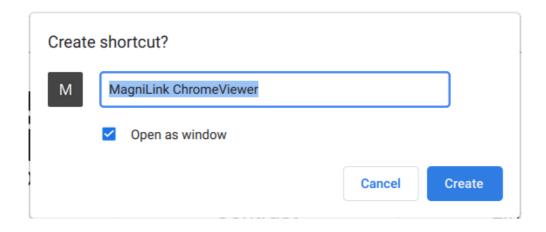


- 4. Launch the Google Chrome browser.
- 5. Select the address field and paste the copied address either by pressing Ctrl + V or by right-clicking on the address field and selecting Paste. Press Enter.
- 6. Under More at the top right, press More Tools and then Create Shortcut.



7. Select Open as window, then press Create.





In App Launcher you can also attach MagniLink ChromeViewer to the start area.

7.4 Licensing

Camera systems used with ChromeViewer can be licensed with OCR. ChromeViewer will automatically detect if your camera system is licensed for OCR.

It is also possible to activate an independent OCR license. Such activation requires you to give ChromeViewer access to certain information in your Google account, as the license key is applied to your Google account upon activation. This means that you will not be restricted to one computer but will be able to use any Chromebook with your Google account and still use OCR in ChromeViewer.

To give ChromeViewer access to your Google account, press the Sign in button under Settings and then follow the instructions. Upon successful sign-in, an input box is displayed where the license key is entered, then press OK. Upon successful activation, you will have direct access to OCR.

Note that OCR with ChromeViewer has the following limitations:

• An internet connection is required for licensing, as well as for the use of OCR in MagniLink ChromeViewer.



7.5 Using the software

7.5.1 LVI camera

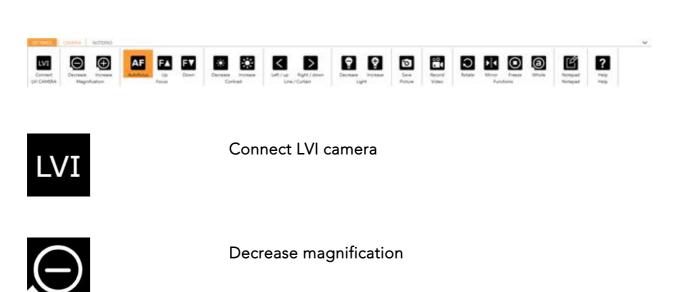
To launch a USB LVI camera you must either press the Connect button, on the far left of the menu bar under the Camera tab, or the *L* shortcut. A dialog box containing a list of connected USB LVI cameras will then appear. Select the camera you want to start and then select Connect.

7.5.2 Functions via menus

The application consists of a window with tabs and groups of buttons. There is a tab for the application settings, a tab for handling the camera and a tab for Notepad. Depending on whether you have obtained a licence, there is also a tab for handling OCR-processed text.

7.5.2.1 Camera tab

The following tab varies in the range of buttons depending on the number of camera systems connected.











Lock Autofocus

Locks the autofocus mode. This feature is useful when you prefer to write by hand. The autofocus is not affected then by the pen or your hand. Press the button again to reactivate autofocus.



Focus up

Reduce focus distance. When this function is used, autofocus is turned off.



Focus down

Increase focus distance. When this function is used, autofocus is turned off



Reduce brightness/contrast



Increase brightness/contrast



Reference line/bar left/up

Adjust the position of the reference line. Press the button to move the reference line to the left. Hold the button in to change the reference line to horizontal and move it upwards. The reference line then becomes a vertical bar which diminishes the viewing area. To make the bar horizontal, press the button again.



Reference line/bar right/down

Same as the previous command but in the opposite direction.



Reduce lamp brightness





Increase lamp brightness



Take snapshot

A "Save file as" dialog box opens. A file name (with the day's date and time) and a folder (Downloads) are automatically suggested. Just press "Enter" to save the picture. If you want to save the picture somewhere else, you can change this manually.



Start/stop video recording

Press to open the "Save file as" dialog box. A file name (with the day's date and time) and a folder (Downloads) are automatically suggested. Press Enter to save with the suggested name. If you wish to save the video in a different folder, or with another name, it is possible to change this in the dialog box. Stop recording by pressing the button again.



Rotate the camera image

Rotates the camera image clockwise. To rotate anti clockwise, hold down Shift when you press the button.



Mirror the camera image

Press again to reverse the mirror image.



Freeze the camera image

Press again to release the freeze.



Whole image (Only shown if the system has a licence for OCR)

When this is active, the whole camera image is shown. Otherwise edit in the image, depending on how large the camera window is.



OCR processing

Performs an OCR conversion of the camera window.





Notepad

Opens images from the camera in the notes tool.



Help

Opens the user guide in the standard application for showing PDF files.

7.5.2.2 OCR tab

The following tab is only shown if the system has an OCR license.





Open document (OCR conversion)

Opens a dialog box. From the dialog box, select the file you wish to open. It is possible to open image files in JPEG, PNG and PDF formats.



Import document

Import exported documents.



Export document

Export current document.



Save document

Save current document. The document will remain in the application, even on reboot, until you choose to delete the document.





Delete document

Delete the current document.



Play/Pause

Start/pause reading



Stop

Stops reading. The next reading will be from the start of the text.



Back

Use this command to step back through the text. If the reading mode is set to word, you step back through the text word by word. If the reading mode is set to sentence, you step back one sentence at a time.



Forward

Use this command to step forward in the text. If the reading mode is set to words, you step forward in the text word by word. If the reading mode is set to sentence, you step forward one sentence at a time.



Reading mode

This command switches reading mode to be used when the "Back" and "Forward" commands are pressed. Possible modes are letter, word or sentence.



View Mode

Switches the display mode for OCR converted text. The view modes available are "page view", "row view", "word view", "image view", "image and word" and "image and row".



Font size

Used to change the size of the OCR text.



Speed

Changes the speech speed.





Help

Opens the user guide in the standard application for showing PDF files.

7.5.2.3 Notepad tab



The notes tool consists of three components.

- At the top is a menu bar with buttons.
- To the left is a list of pictures. By clicking on a picture, you can navigate to it. You can delete a picture by clicking in the top right corner.
- A surface where you can draw, enlarge and pan in the picture.



Open

Open image. It is possible to open images in JPEG, PNG and PDF formats.



Export

Exports note. It is possible to export the active note as an image file or all the notes as a PDF.



Save

Save current note. The note will remain in the application, even on reboot, until you choose to delete the note.



Delete

Delete the current note.





Ballpoint pen

Draw with a ballpoint pen.



Highlighter

Draw with a highlighter.



Text

Insert text. You can move text around after inserting. However, you must fist press on the inserted text with the **Text** tool.



Zoom & Pan

Magnify and pan the image.



Eraser

Erase.



Undo

Undoes latest entry.



Redo

Recreates after pressing undo.



Rotate

Rotate the image. NOTE! This deletes all entries.



7.5.3 Functions via the keyboard

Global keyboard shortcuts The following shortcuts apply to all tabs.

9 Information and settings window

Various settings for the application can be made in this

window.

Alt + 1 Go to the camera tab

Alt + 2 Go to the OCR tab

Alt + 3 Go to the Notepad tab

V Switch between tabs

Ctrl + H Hide or show the menu

8 Next window position

Press the 8 key repeatedly to switch between the preset split screen modes on the primary screen. The window can also be controlled via the mouse or

Chrome OS standard commands.

Ctrl + Plus Enlarge menu

Ctrl + Minus Reduce menu

Camera shortcut

commands

The following shortcuts only apply to the Camera tab.

L Connect LVI Camera

Displays dialog to start the LVI camera connected.

1 Natural colours

Switches between natural colours and greyscale.

2 Positive image with enhanced contrast

Artificial colours; White/Black, Yellow/Black,

Green/Black, Red/Black, Yellow/Blue, White/Blue. Press 2 repeatedly to switch between the different colours.

(Shift + 2 to step backwards)

3 Negative image with enhanced contrast

Artificial colours; White/Black, Black/Yellow,

Black/Green, Black/Red, Blue/Yellow, Blue/White. Press 3 repeatedly to switch between the different colours.

(Shift + 3 to step backwards)

4 Start OCR

Start OCR with automatic reading. (Shift + 4 starts OCR

without automatic reading)



5 Add note

Add note and open Notepad. (Shift + 5 adds note but

does not open Notepad)

Up arrow Increase magnification

Down arrow Decrease magnification

J Autofocus Off/On

Shift + Up arrow Reduce focus distance

Shift + Down arrow Increase focus distance

Right arrow Increase brightness/contrast

Left arrow Reduce brightness/contrast

Ctrl + left arrow Reference line left/up

Ctrl + right arrow Reference line right/down

Ctrl + 7 Increase lamp brightness

Ctrl + 6 Reduce lamp brightness

Ctrl + P Take "snapshot"

Press Ctrl + P to open the "Save file" dialog box. A file

name (today's date and time) and folder are

automatically suggested. Just press Enter to save the picture. If you want to save the picture somewhere else, or with another name, you can change this manually.

Ctrl + M Start/stop video recording

Press Ctrl + M to start video recording. Before

recording, a dialog box appears with the suggested file name (today's date and time) and folder. Just press Enter to start video recording. If you want to save the video recording somewhere else, or with a another name, you can change this manually. Stop the

recording by pressing Ctrl + M.

Ctrl + R Rotate camera image clockwise

Every time this key combination is pressed, the camera image will rotate 90° clockwise (90°, 180°, 270° and 0°).

Ctrl + Shift + R Rotate camera image anticlockwise

Every time this key combination is pressed, the camera image will rotate 90° anticlockwise (270°, 180°, 90° and

0°).



Ctrl + I	Mirror camera image Mirrors the camera image. This is a handy function if, for example, you want to use the camera as a magnifying makeup mirror.
Ctrl + F	Freeze camera image By pressing this key combination, the camera image freezes. To release the frozen image, press the same key combination again.
Ctrl + L	Full screen Switches between full screen and cropped image
OCR keyboard shortcuts	The following keyboard shortcuts only apply to the OCR tab
1	Play/pause reading
2	Stop reading
3	Previous word/sentence/letter
4	Next word/sentence/letter
5	Switch between navigation by words, sentences or letters
В	Change display mode
7	Reduce speaking speed
8	Increase speaking speed
Notepad keyboard shortcuts	The following keyboard shortcuts only apply to the Notepad tab
Ctrl + Z	Undo
Ctrl + Shift + Z	Redo
Ctrl + S	Save note
Del (Delete)	Delete note
Ctrl + R	Rotate image right



Ctrl + Shift + R	Rotate image left
1	Select ballpoint pen
2	Select highlighter
3	Select the text tool
4	Select the magnification and panning tool
5	Select eraser
Ctrl + 1	Previous colour of drawing tool
Ctrl + 2	Next colour of drawing tool
Ctrl + 3	Reduce size of drawing tool
Ctrl + 4	Increase size of drawing tool

7.5.4 Mouse control

Certain functions can be controlled with the mouse.

In camera mode.

- If the camera supports panning, the left mouse button can be used to pan the image.
- Zoom using the right mouse button.

In OCR mode

- The left mouse button is used to start the reading. You can also select a word to continue reading from the selected word.
- The scroll wheel can be used to enlarge or shrink the image.



7.5.5 Information and settings window

The Information and settings window consists of a number of different tabs that contain application information and alternative settings.

7.5.5.1 About the application

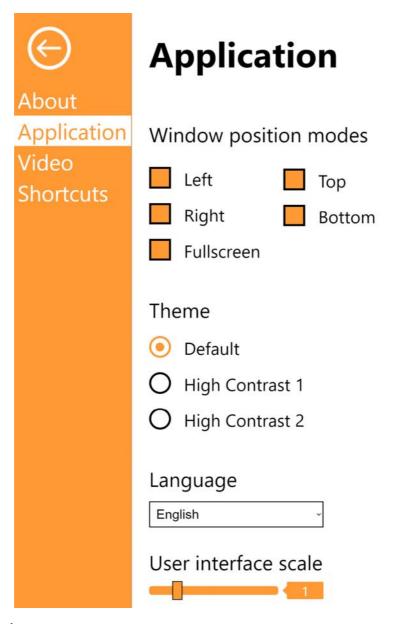


This tab contains information about software version, copyrights and license information.

If you want to activate an obtained OCR license to your Google account, this is where you log in and enter the license key.



7.5.5.2 Applications Settings



Window modes

Select which different window modes to be selected when pressing the 8 key.

Theme

Select the theme to be active. The theme controls which colour set the application should have.



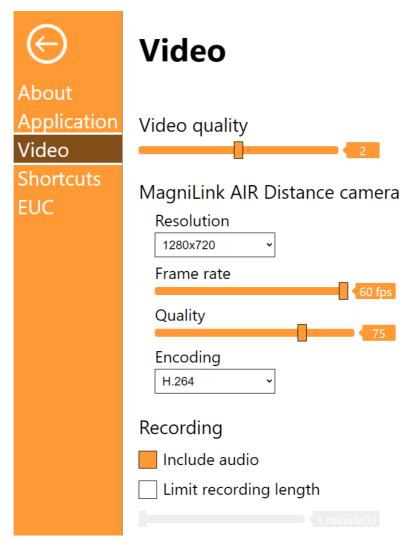
Language

Change the language of the software. The software is set to use the same language as the computer's default. If this language is not available, English is automatically selected as default.

Menu size

Here you can change the size of the menus and buttons.

7.5.5.3 Video Settings



Video Quality

This setting allows the user to increase or decrease the video quality of the application. For the best balance between performance and quality, the setting should be left untouched, but it may be advisable to decrease for low-performance computers.



Resolution

Select from the camera's various resolution options. Resolution cannot be selected for all cameras.

Image rate

This setting allows the user to limit the image rate. The image rate cannot be changed for all cameras.

Image quality

This setting allows the user to limit the camera's image quality. The image quality cannot be changed for all cameras.

Record audio

Activate this function to record audio with a connected microphone.

Limit recording length

Activate this function to limit the recording length.

Length in minutes

If you have chosen to limit the recording length you can set the limit here in minutes, from 1 to 60 minutes.

MagniLink ChromeViewer can record video clips from a MagniLink camera system to WebM (.webm) format. The video recording is started using the keyboard (Ctrl + M). A red indicator is displayed at the bottom right of the video window while video is being recorded.



7.5.5.4 Settings for short cut commands



Shortcuts

Application

Open settings

Open the camera tab

Open the notepad tab

Toggle menu visibility

Next window position

Increase menu size

Decrease menu size

9

alt+1

alt+3

ctrl+h

8

ctrl+plus-sign

ctrl+minus-sign

Here the short cut commands used for the application can be changed. To change a short cut command, tab to the command that is to be changed and then press Space or Enter and then enter the new keyboard combination. If a combination already being used for another command is entered, the other command will be erased. A new keyboard combination will need to be entered in order to change the command.



7.5.5.5 OCR Settings



Voice

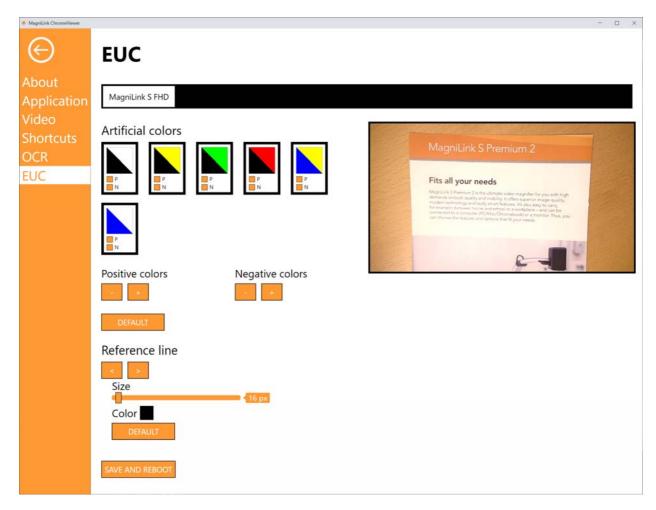
Select which voice to use for future OCR conversions.

Region

Choose which data centre should perform the OCR conversions. The closer to your current location, the faster the OCR conversions will be performed.



7.5.5.6 EUC



The camera can be configured under this tab. If there is a "Save" button at the bottom, it must be pressed to save the changes. When doing this, the camera restarts and the configuration has been saved.

Artificial colours

It is possible to remove and change the artificial colours of the camera.

- To remove either the positive or the negative component. Deselect box "P" or "N".
- To remove a colour combination, deselect both "P" and "N".
- To change a colour combination, press one of the triangular fields and a colour dialog will appear. Select colours and press OK.
- To restore the colours, press "Default".

Reference line

Set the size and colour of the reference line. Press "Default" to reset.



7.5.6 Quality of OCR conversion

In order to optimize the results of the OCR conversion, bear the following in mind.

- Ensure the magnification is sufficient. Very small text produces poor results in the OCR software. A minimum of 12pt is recommended for the lowest magnification of the reading camera.
- Avoid glossy paper as this gives reflections in the image. This
 impairs the results of the OCR conversion. If you intend to use
 glossy paper, we recommend that the light on the unit is switched
 off.
- Certain fonts can be difficult for the OCR engine to interpret.
- It is important that the text contrast is sufficient.



8 Working with the reading camera

Your reading camera is now ready to use. It is important that the workplace around your MagniLink is comfortable, and that you sit correctly. This is so that you can use the camera for as long as possible without putting undue strain and stress on your neck and back.

You should bear the following in mind:

- Your chair should be positioned close to the table on which the equipment is located, and you should not sit in the chair for too long. We recommend a good office chair with adjustable height.
- The seat of the chair should be at a height that does not cause your legs to become numb; legs should be at an angle of 90 degrees and you should rest your feet on the floor.
- The reading table should be at a height at which you can rest your lower arm horizontally on it. It is important that the table is neither too high nor too low for you. The ideal solution is if the screen is slightly below eye level and in as straight a line in front of you as possible.
- Shut out daylight. Lights in the ceiling, table lamps and light from windows can cause reflections on the monitor. For this reason, avoid placing lights where they shine directly at the screen or at yourself.



9 Troubleshooting

If the indicator light is flashing:

A red light or a flashing red light indicates a system error. Restart the system by disconnecting and reconnecting all cables and rebooting the system. If a red light is still displayed, contact your service technician.



10 Technical information

Magnifying area HD camera 1,4 - 75 x (15,4" 16:9 screen)

Magnifying area FHD camera 1,1 - 75 x (15,4" 16:9 screen)

Power output 5 W

Power output, standby 1.7 W

Weight 1.9 kg

Refresh rate 60 Hz

Dimensions BxDxH 350x305x390 mm

Operational temperature 0 to 30°C

Storage and transportation temperature -20 to 60°C



Disposal of old electrical and electronic equipment (applies for EU countries and all other European countries that have specific collection systems)

If the product or its packaging has this symbol on it, it is not to be handled as regular domestic waste. It should instead be deposited at a suitable collection centre for the recycling of electrical and electronic equipment. By ensuring that this product is properly taken care of, you are helping to prevent the negative impact on health and the environment that might otherwise result from inappropriate disposal of this product. Recycling helps in the management of our natural resources. For more detailed information regarding the recycling of this product, you can contact your municipality, your waste management company or the store where you purchased the product.



11 Declaration of Conformity

DECLARATION OF CONFORMITY

Manufacturers name:		LVI Low Vision Int	ernational AB	
Manufacturers Address:		Verkstadsgatan 5 S-352 46 Växjö Sweden		
Web:		http://www.lviglo	obal.se	
SRN (Single Registration Number):		SE-MF-00000417	8	
Basic UDI-DI (GMN):		7330724MLSEC		
Brand name or trademark:		MagniLink		
Product code:		MLS-HD-2, MLS-FHD-2		
Classification:		Class 1		
Type of equipment:		Reading Aid		
Conformity assessment route:		LVI Low Vision International AB uses the following procedures for the CE-labeling of their products according to the Regulation MDR 2017/745:		
		Class [1]: EC confor Annex I + Annex II -	rmity declaration according to +Annex VII	
This declaration of conformity is issued under the sole responsibility of LVI Low Vision International AB. We hereby declare that he medical device(s) specified above meet the provision of the Regulation (EU) MDR 2017/745 for medical devices. This declaration is supported by the Quality System approval to ISO 9001 issued by Intertek. All supporting documentation is retained at the premises of the manufacturer. Manufacturer Manufacturer's authorized representative				
Date 20-05-2021	Signature	n_	Position Managing Director	
	Clarification			
	Henrik Blomdahl			



Alphabetical index

About LVI	5
About the application	36
Accessories	12
Applications Settings	37
Camera tab	
Cleaning	8
Control box	17
Declaration of Conformity	47
EUC	
Functions via menus	25
Functions via the keyboard	32
Hardware	15
Information	8
Information and settings window	36
Installation of docking station	16
Installation of hardware	15
Installation of software	
Introduction to the MagniLink S	6
Licensing	24
LVI camera	
MagniLink ChromeViewer	20
Minimum system requirements	20
Mouse control	35
Notepad tab	30
OCR Settings	41
OCR tab	28
Packaging	11
Position sensor	19
Quality of OCR conversion	43
Recommended system requirements	20
Reuse, installation and maintenance	8
Safety information	8
Settings for short cut commands	40
Technical information	46
Troubleshooting	45
Unpacking	10
Using the hardware	17
Using the software	25

MagniLink S PREMIUM 2 -Chromebook



Video Settings	38
Working with the reading camera	