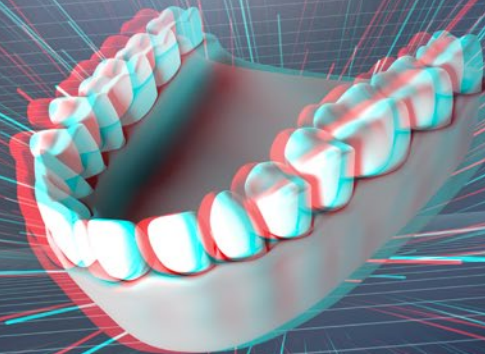


**Renfert**

making work easy

# EASYview 3D

Innovative 3D Video Microscope



# EASYview 3D

## 3D Video Microscope

“Making work easy” for dental technicians is our mission at Renfert. With our new EASYview 3D, we have developed an innovative video microscope with a 3D monitor that achieves this objective from a whole range of different perspectives. EASYview 3D helps users maintain an ergonomic posture while enabling fast, direct communication between technicians, the lab and the dentist’s practice as well. Renfert’s EASYview 3D video microscope is not only ideally suited for viewing objects, for routine processing and quality control, but equally useful for educational, training and documentation purposes.



INNOVATION BW  
2018

Innovation Award Baden-Württemberg  
Dr.-Rudolf-Eberle-Preis  
Recognition 2018

Supported by:



Federal Ministry  
for Economic Affairs  
and Energy

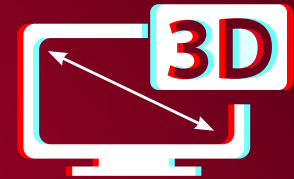
on the basis of a decision  
by the German Bundestag



**Precise and reliable:**  
15x and 20x  
magnification in  
2D or 3D mode.



**Ultra-high definition:**  
Image reproduction  
on a  
21.5-inch full HD  
3D monitor.



**All details at a glance:** The  
passive polariza-  
tion glasses  
enable precise 3D  
viewing and are  
well suited for  
persons wearing  
glasses.



“making work easy” fact 01:

## Total overview – total control

The EASYview 3D's three-dimensional mode enables easy and natural hand-eye coordination. Its three-dimensional spatial representation is perfect for critically examining work objects. This helps streamline your entire production process and makes many routine tasks, like finishing and performing quality checks, much more precise. Depending on the indication, a simple mouse click lets you toggle between the 3D and 2D modes. The 2D mode is ideal for checking and viewing objects.





Precise work under  
**15x / 20x magnification**



"perfect view" is ensured thanks to  
daylight LED's with 5.000 Kelvin



Material-optimized image reproduction  
through 4 different object modes.  
Toggle through the different modes by mouse click.



C mode  
Ceramic



M mode  
Metal



S mode  
Standard



N mode  
Neutral



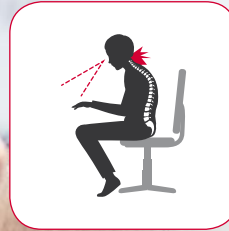
“making work easy” fact 02:

## Work the ergonomic way

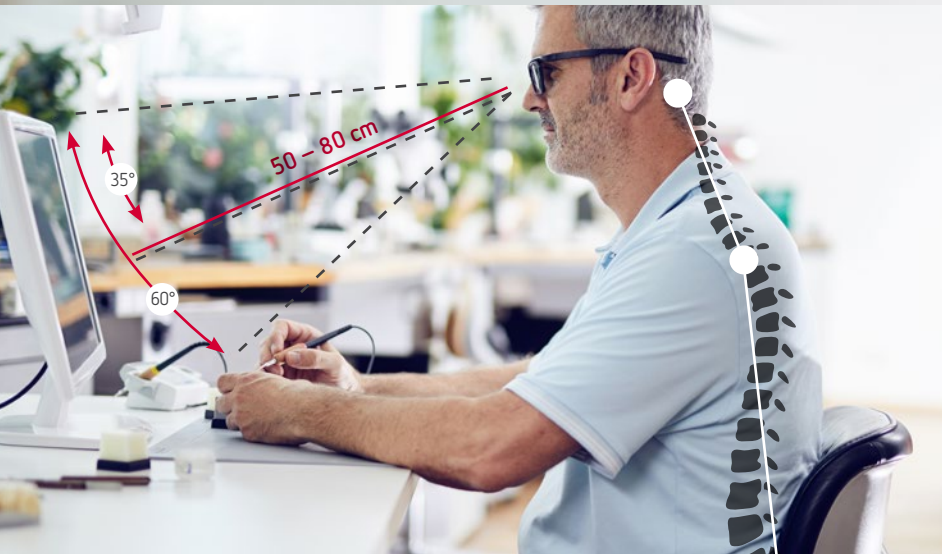
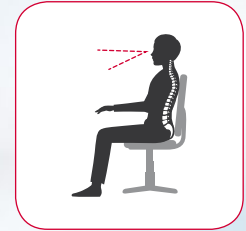
A dental technician’s work assumes a new dimension with the EASYview 3D video microscope. The ultimate workplace ergonomics enable a sustained natural and healthy posture. This enhances the users’ well-being and performance. The flexible boom arm can be adjusted to any work situation and object. The monitor has been especially developed for system compatibility and ensures sharp high-definition image reproduction. Positioned behind the object, the monitor is ergonomically and ideally located for an unobstructed view of the work object. The system is conveniently operated by mouse and footswitch, thereby ensuring a relaxed and healthy working posture.



Normal working posture



Working posture with EASYview 3D



## Relaxed means higher productivity

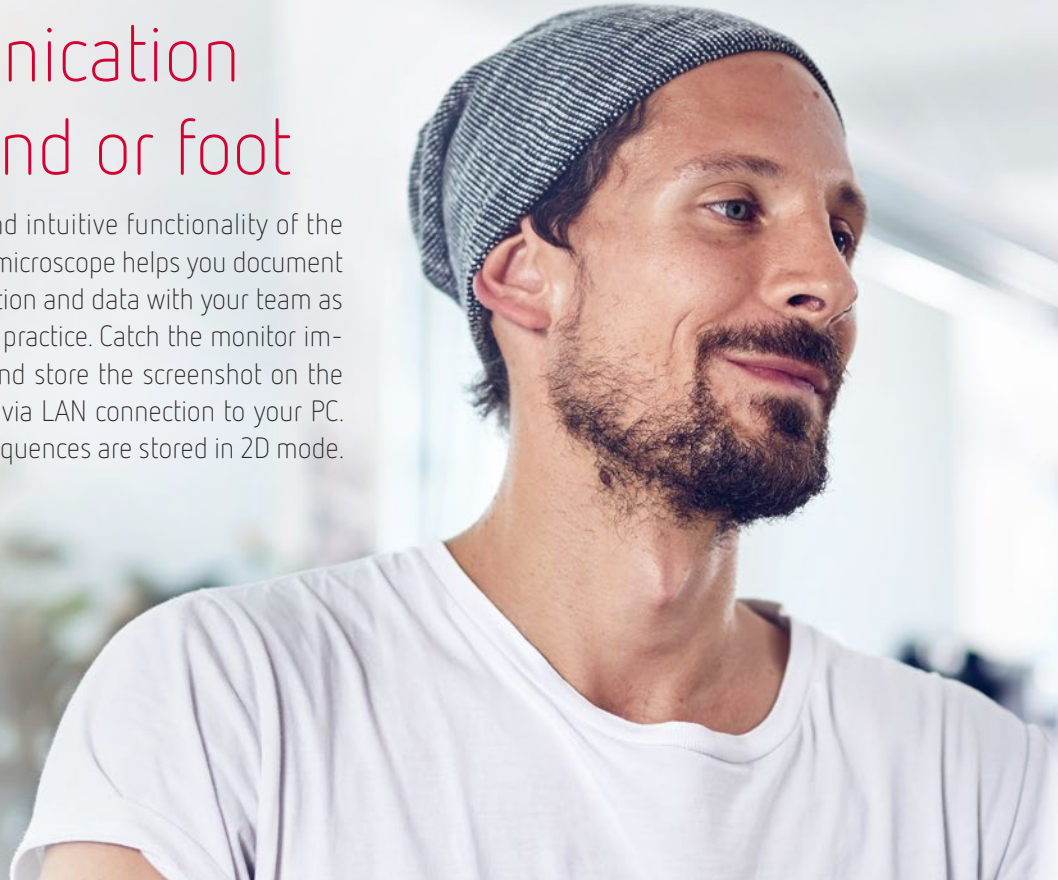
Working with the EASYview 3D video microscope is very comfortable. Never was quality control so convenient across such a wide range of different work processes in the dental lab. Because the monitor is positioned at eye level, the EASYview 3D video microscope promotes an upright body posture which is ideal for the user's back and neck.

- ▶ Virtually latency-free work
- ▶ Effortless hand-eye coordination
- ▶ Easy operation through mouse and footswitch
- ▶ Spacious, barrier-free work area

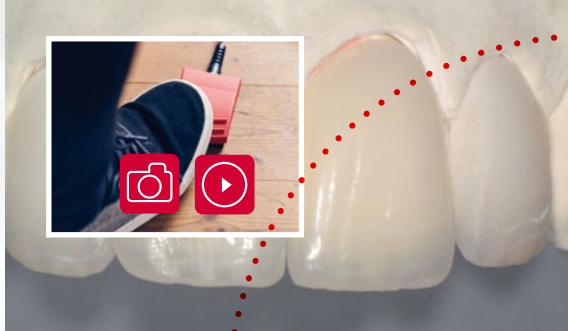
“making work easy” fact 03:

# Quick communication with hand or foot

The easy-to-use and intuitive functionality of the EASYview 3D video microscope helps you document work, share information and data with your team as well as the dentist’s practice. Catch the monitor image by footswitch and store the screenshot on the USB stick or send it via LAN connection to your PC. Images and video sequences are stored in 2D mode.







SEND TO

### Documentation and sending made easy:

Using the footswitch, you can easily store high-resolution photos or record video sequences using the HDMI video recorder. Afterwards, it takes just a few mouse clicks to send the information to the dentist's practice or to other colleagues.



Video sequences are recorded on the external HDMI video recorder (optional) through an integrated EASYview 3D interface. It goes without saying that EASYview 3D is updateable.

### Show me more:

To show or discuss work results and documents during training courses and presentations, simply connect the EASYview 3D video microscope to additional monitors or projectors.

**Find out how that works here: [renfert.com/easy-view-3d](https://renfert.com/easy-view-3d) (see „Information material“ tab)**



„making work easy“ fact 04:

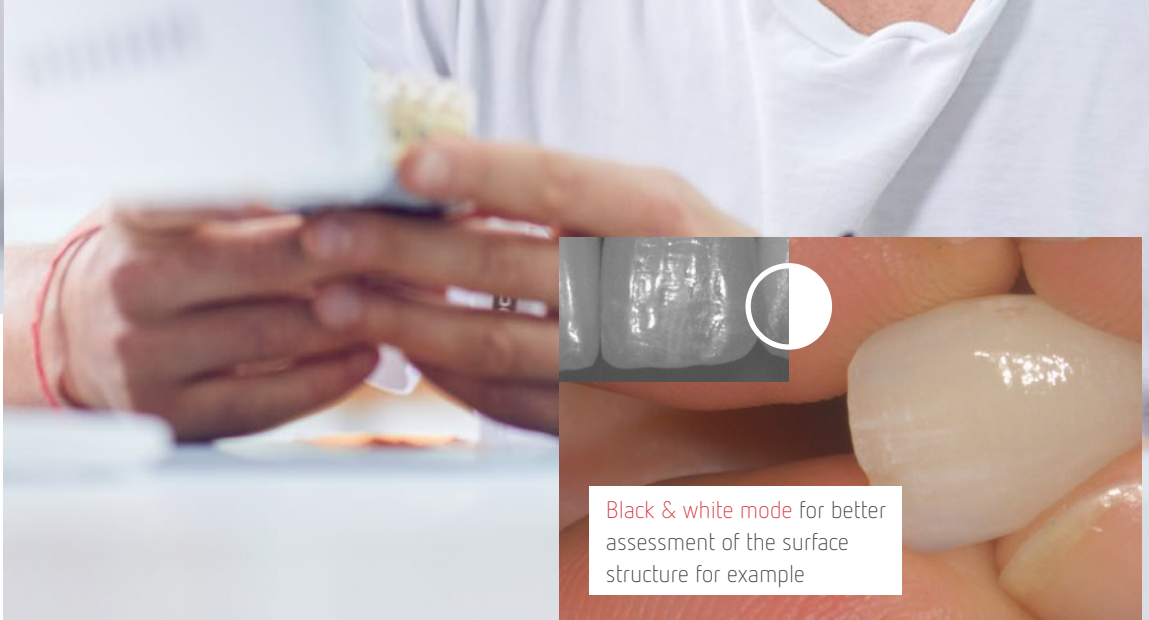
## Picture within a picture

When fabricating dental restorations, it is often helpful to use patient images, wax-ups or other images as a reference. With the split screen feature in the EASYview 3D video microscope, four different sized images can be projected into the work screen. All pictures can also be viewed in the black & white mode, e.g. for the assessment of brightness values.





The split screen mode is activated and the display can be adjusted (size, color and position) by a simple mouse-click. Screenshots or other images available for reference are stored on the USB stick.



Black & white mode for better assessment of the surface structure for example

Flexible setting of the split screen display in 4 sizes and desired position. Selection via simple mouse-click.



Selectable split screen position



Small display



Medium display



Large display



Full screen display



"We want to make work easier for dental technicians. But ultimately, it's the customer that decides whether we've accomplished our mission!"



**EASYview 3D**

↓ more “making work easy” facts

## Optimized viewing

By moving the EASYview 3D head on the boom arm and using the fine-focus knob, you can optimally adjust your desired viewing area to objects of every shape and size.

## Perfect visualization and lighting

A simple mouse click helps you toggle between the 3D and 2D modes. With the help of a mouse click you can also select from the 4 different object modes for optimal image reproduction. That means you always get perfect image reproduction for every object, regardless of whether you are working with ceramic, metal, gypsum, wax or other materials.

## Documentation and storage

With the help of the footswitch you can easily make a screen shot and document your work. The data is stored on EASYview 3D's USB stick. Send it quick an easy via LAN connection to your PC.

↓ This is what our testers say:



### Perfect images

“You have a unobstructed view of the object. Eye strain is greatly reduced compared to working under a microscope. Thanks to the depth of focus, I can even look all the way down to the bottom of extremely deep screw holes in occlusally screw-retained crowns – and see them clearly under perfect illumination. No stereo microscope can manage that feat.”

Carola Wohlgenannt, Master Dental Technician at Wohlgenannt Dental Lab, Dornbirn, Austria



### Fatigue-free work

“With the EASYview 3D, I can work for several hours without fatigue. I sit comfortably. The brilliant depth of focus over the entire object is certainly unique.”

Christoph Hoffmann, Master Dental Technician at Dental Vill & Hapke, Berlin, Germany



### Optimal coordination

“Enabling direct communication with the dentist is one of EASYview's top features. You can show images directly and discuss them whenever you want. In addition, you sit much more comfortable at the EASYview 3D video microscope than over a microscope.”

Manja Stuhr, Master Dental Technician at Thomas Scherz Dental Ceramics, Berlin, Germany

See all full-length interviews at: [renfert.com/easy-view-3d](https://renfert.com/easy-view-3d)



perfect  
view



### **EASYview 3D HDMI-Splitter:**

Transmits (unaltered) 3D or 2D signals required when connecting an additional output device (e.g. monitor or projector).



### **EASYview 3D HDMI-Video-Recorder:**

For recording video and sound sequences.



### **EASYview 3D Converter 3D/2D:**

Converts a 3D-signal to a 2D-signal required when connecting an additional output device (e.g. monitor, projector).



## Technical Data Head (incl. support arm)

Nominal voltage	100 / 120 / 230 V
Permissible mains voltage/frequency	100–240 V, 50/60 Hz
Power consumption	12 W
Video resolution	Full-HD (1920 x 1080)
Focus distance (from camera lens to object)	430 mm (17")
Magnification	15- /20-fold
Table top thickness (universal clamp)	18–74 mm (0.71–2.92")

## Technical Data Monitor

Screen resolution	Full-HD (1920 x 1080)
Recommended working distance from the screen	500–700 mm (19"–28")
Dimensions (W x H x D)	511 x 377 x 170 mm (20.12 x 14.84 x 6.69")
Diagonal screen size	546.1 mm (21.5")

Further technical data: [renfert.com/easy-view-3d](http://renfert.com/easy-view-3d)

## Ordering information

EASYview 3D, 100–240 V   50/60 Hz <sup>1</sup>	No. 24000500
EASYview 3D, 100–240 V   50/60 Hz with multi net adapter <sup>2</sup>	No. 24001500
EASYview 3D HDMI-Video-Recorder <sup>1</sup>	No. 24000502
EASYview 3D HDMI-Video-Recorder with multi net adapter <sup>2</sup>	No. 24000504
EASYview 3D HDMI-Splitter <sup>1</sup>	No. 24000503
EASYview 3D HDMI-Splitter with multi net adapter <sup>2</sup>	No. 24000505
EASYview 3D HDMI-Converter 3D/2D <sup>1</sup>	No. 24000501
EASYview 3D HDMI-Converter 3D/2D with multi net adapter <sup>2</sup>	No. 24000506

<sup>1</sup> Suitable for Europe excluding GB, IT, DK, FL, CH

<sup>2</sup> Suitable worldwide excluding European countries with CEE 7/3 socket

## More details and information



EASYview 3D  
Experience the fascination live



EASYview 3D Video  
Quick start guide



EASYview 3D PDF  
Configuration examples

## Scope of delivery EASYview 3D

- ➔ EASYview 3D head with power supply unit and power cord (incl. LED-lighting)
- ➔ Support arm with cable and base with universal clamp
- ➔ 3D monitor with power supply unit and power cord
- ➔ 3D polarization glasses
- ➔ 4 GB USB memory stick
- ➔ Mouse
- ➔ Foot switch
- ➔ Desk pad
- ➔ Quick start guide

**EASYview 3D**  
3D Video Microscope

# Experience the fascination live ...

Visit our roadshow and test the new  
EASYview 3D video microscope experience!



More details, more data, more 3D

[renfert.com/easy-view-3d](https://renfert.com/easy-view-3d)

