

**3D PluraView**

 **schneider**  
d i g i t a l  
Professional 3D-Hardware

## USER GUIDE

### 3D PluraView 2.5k und 4k



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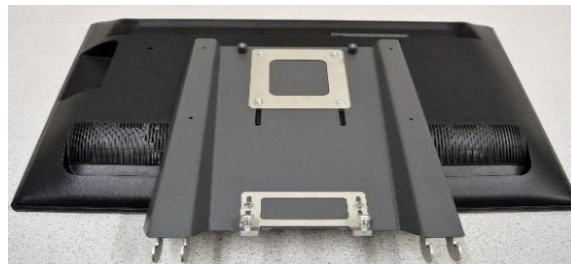
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### **1. Delivery:**

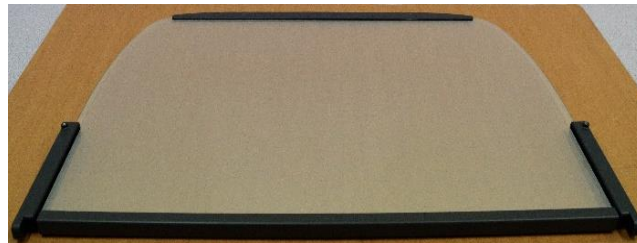
The following components are included in the scope of delivery:



- 1 pc. Monitor stand with lower monitor and pre-assembled DisplayPort 1.2 connection cables approx. 3.0 m



- 1 pc. Upper monitor holder with monitor



- 1 pc. Beam splitter mirror with mirror holder

- 1 pc. Accessory box with:

- 1 pc. Power supply cable approx. 3.0 m
- 2 pcs. Plastic washers for mirror arm

- 2 pcs. Knurled screws
- 2 pcs. Allen key (2.5 and 3 mm)



1 pc. Accessory box with:

- 3 pcs polarizing glasses "3D PluraView"



## **2. Explanation**

**Oblique view from the front**

- 1 monitor foot
- 2 lower monitor
- 3 leveling feet
- 4 mirror arm
- 5 beam splitter mirrors
- 6 mirror holders
- 7 thumbscrews for mirror adjustment
- 8 upper monitor
- 9 upper monitor cover



### View from behind

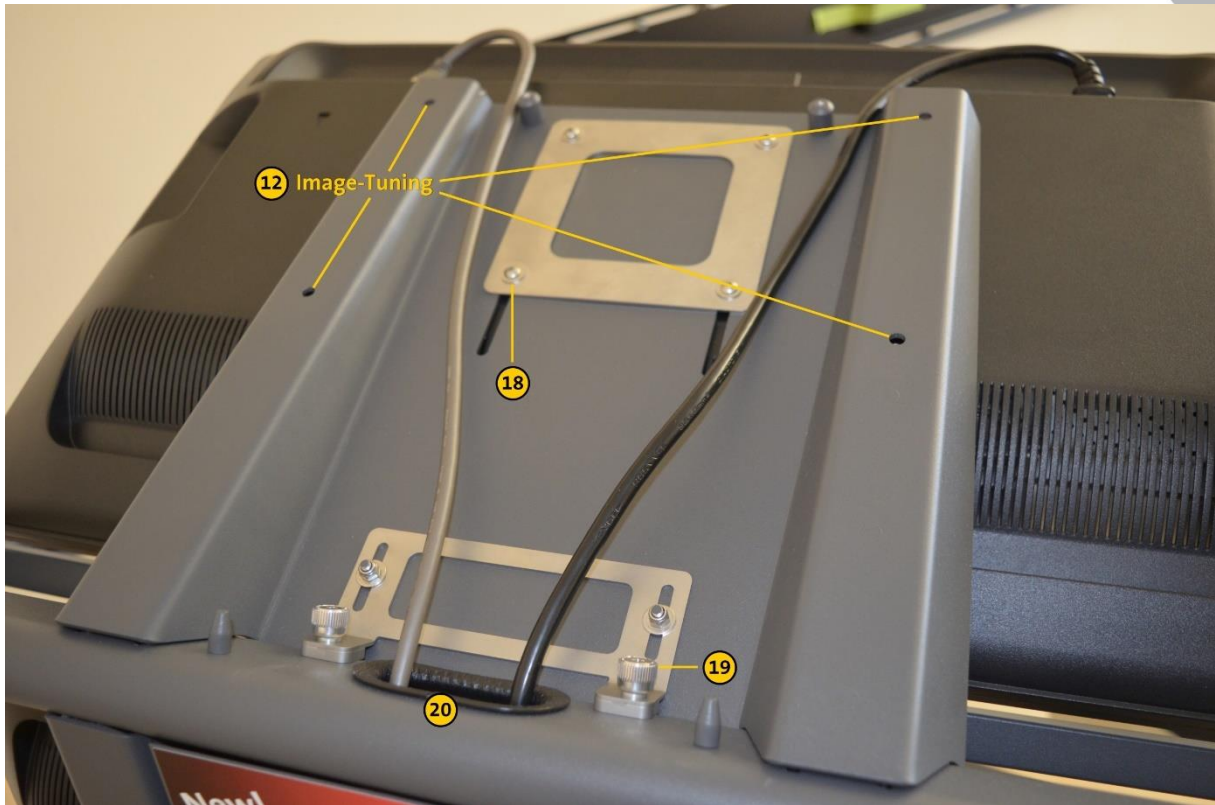
- 10 upper monitor cover
- 11 rear monitor cover

- 12 Image tuning screws for monitor adjustment
- 13 device power switch
- 14 appliance socket
- 15 fuse box
- 16 HDMI-Port right channel for upper monitor cable (only Full HD version, otherwise you will find here a DP-Cable)
- 17 HDMI-Port left channel for lower monitor cable (only Full HD version, otherwise you will find here a DP-Cable)



**Rear view without covers:**

- 18 VESA screws (to adjust and remove the display)
- 19 Fixing screws of the upper monitor holder
- 20 Cable passage



### 3. Unpack the monitor

It is recommended to build the 3D PluraView in pairs. As a first step, open the box at the top. The monitor is safely stowed between foam moldings. Remove the three moldings that secure the monitor from above. On one side stands the monitor base with the lower monitor, on the other side the upper monitor, in between the beam splitter mirror. First remove the upper monitor and then the beam splitter mirror and

place the parts safely. Lift the base of the monitor with the lower monitor out of the packaging and place it on the table top. At the end, take out the two boxes with the accessories and the polarized filter glasses.

#### **4. Mounting the monitor**

Check the evenness of the table. If the monitor wobbles, you can adjust the rear feet with an Allen wrench (# 3 in the legend, "Leveling feet"). Leave approximately 5mm of air between the base of the monitor and the table top to allow you to set e.g. can perform the mouse cable.

The preassembled power and DisplayPort 1.2 cables let you hang down from the cable passage of the lower part. Remove the top monitor covers (# 9 in the explanation) from the top monitor by loosening the two U-bolts. Grasp the upper monitor holder with the display facing you. Insert the two hooks at the bottom of the upper monitor holder into the slots in the oval tube of the base. For this, the upper monitor must be almost vertical.

Lower the upper monitor to its intended position by lowering it. Please take care not to pinch a cable! Secure the upper monitor holder to the monitor base with the two thumbscrews.



Plug the cables into the top monitor.





With the accessories, remove the plastic shims and the knurled screws for the beam splitter mirror from the folding box. Slide the washers onto the rear bolts on the mirror arm of the lower monitor.



Take the Beamsplitter mirror and hold it parallel to the mirror arms. Lower the beam splitter mirror at the back so that the rear bolts slide into the grooves of the mirror holder. Then pull the mirror slightly forward until the front bolts of the mirror arm slide into the grooves of the mirror holder. Now the knurled screws (No.7) can be screwed into the provided thread in the mirror holder.

To fold up the mirror, lift it up to the upper monitor. Now you can push the mirror all the way back, where it locks in the folded-up position.

If you want to bring the Beamsplitter mirror back to the working position, pull it parallel to the upper screen until it stops and then lower it.

## **5. Install the 3D PluraView on the workstation**

Connect the monitor to the mains using the supplied power cable and connect the two DisplayPort connection cables to your graphics card. Bottom monitor port 1 And top monitor port 2.

Turn on the power switch on the back of the monitor so that it lights up green.

Start your workstation and plug in the supplied USB flash drive with the latest drivers for the AMD and nVidia graphics card you are using.

Here you will also find the respective uninstaller for any obsolete drivers, which you should execute before.

If you use an AMD FirePro or RadeonPro graphics card, it makes sense to activate “Freesync” in the OSD Settings under the menu item “Setup” on both displays.

Access the video tutorial for installation on your video card and follow the instructions.

Upper and lower display now show the same image (clone) and quad buffered stereo is active.

## **6. Fine tuning the monitors**

The monitor has already been adjusted at the factory. However, transportation and / or changing room climate conditions may require you to readjust the monitor. But this should only happen 24 hours after the setup, so that the device can acclimatize.

First open the PDF file with the test grid (Clone-HD1080.pdf) on the USB stick.

Display the test pattern in full screen mode.

Ideally, you will see a congruent grid on the Beamsplitter mirror, and the following steps should be skipped.

However, if you double-see some lines on the Beamsplitter Mirror, even though you are looking directly at them from the front, you will need to readjust the mirror / upper monitor. Firstly, it should be checked how much adjustment is needed: If there are only a few millimeters deviation between the two grids, it is recommended to adjust the device only with the knurled screws no. 7, which can be seen in the following figure:



If it is not possible to adjust the image with this screw, it is possible to change the position of the upper monitor by means of the VESA screws (No. 18).

To do this, remove the upper monitor cover by removing the U-bolts. First, on the back of the upper monitor, use the enclosed 3 mm Allen key to turn the four # 18 screws on the VESA mount about 1 turn. The monitor should now move with a little effort.

Move the top screen until the vertical and horizontal lines on the screen coincide in the middle, top and bottom areas. When you have achieved a satisfactory result, retighten all VESA screws well, preferably crosswise.

However, if in the lower left corner of the Beamsplitter mirror, the top monitor image appears to be a few millimeters above the mirror surface, insert the appropriate Image # 12 tuning screws (see explanation) with the 3 mm Allen key little clockwise.

Attention: Excessive pressure of the tuning screw can damage the monitor!  
Now you can mount the covers again.

## **7. Cleaning and care**



Switch off the monitor before cleaning on the appliance switch. Use a clean, soft cloth and, if necessary, a mild glass cleaner to clean the displays and the Beamsplitter mirror. Always spray on the cloth, never directly on the screen. When cleaning the housing, use a slightly damp cloth and, if necessary, a mild household cleaner. The polarizing spectacles may only be cleaned with the supplied microfibre cleaning cloths! After use, always switch off the device at the device switch in order to de-energize the monitors and, if necessary, the integrated power supply unit.

## **8. Safety instructions**

The device cover on the underside of the monitor base may only be opened by trained personnel. Risk of electric shock! Do not touch the LCD panel or Beamsplitter Mirror with sharp or hard objects. Do not apply any strong cleaners, waxes or solvents to the surfaces of the device. Do not use the device in a dusty or damp environment and only under normal temperature conditions.

## **9. Troubleshooting**

<b><u>Problems</u></b>	<b><u>Possible solutions</u></b>
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<ul style="list-style-type: none"> <li>No pictures on the Displays</li> </ul>	<ul style="list-style-type: none"> <li>Power and monitor cable plugged in correctly?</li> <li>Device switched on? Monitor on main switch and on the displays turned on? (LED lights up)</li> </ul>
<ul style="list-style-type: none"> <li>Displays work, but no stereoscopy</li> </ul>	<ul style="list-style-type: none"> <li>Clone formed?</li> <li>Check stereo settings in the graphics card driver</li> <li>Run Red-Blue.exe</li> <li>Wrong glasses? Linear polarized glasses necessary</li> <li>Windows display settings: Switch 3D on?</li> </ul>
<ul style="list-style-type: none"> <li>Only one display works</li> </ul>	<ul style="list-style-type: none"> <li>All cables plugged in correctly?</li> <li>Both displays turned on?</li> <li>Clone formed?</li> <li>AMD Freesync activ with nVidia Graphics Card?</li> </ul>
<ul style="list-style-type: none"> <li>One or both monitors flicker</li> </ul>	<ul style="list-style-type: none"> <li>Both monitors run at the same frequency? We recommended 60 Hz.</li> <li>AMD „Freesync“ activ with nVidia Graphics Card? Disable “Freesync” in the OSD Settings under the menu item “Setup” on both displays.</li> </ul>

## 10. Monitor – Specifications

3D PLURAVIEW MONITOR SPECIFICATIONS			
	22" FHD	27" 2,5K	28" 4K/UHD
Display	21,5" Screen Size 2x 1.920 x 1.080 Resolution ( 2.1 MP) 16,7 Millionen Colours (8-Bit) 250 cd/m <sup>2</sup> Brightness	27" (686 mm) Screen Size 2x 2.560 x 1.440 Resolution ( 3.7 MP) 16,7 Millionen Colours (8-Bit) 350 cd/m <sup>2</sup> Brightness	28" (16:9) Screen Size 2x 3.840 x 2.160 Resolution (8.3 MP) 1,073 Milliarden Colours (10-Bit*) 300 cd/m <sup>2</sup> Brightness
	LED BackLight-Technology 2 ms Response Time 170°/160° Viewing Angle (H/V)	LED BackLight-Technology 1 ms Response Time 170°/160° Viewing Angle (H/V) BlackTuner for lightening of the shades	
	Contrast Ratio: 200.000: 1 ACR	Contrast Ratio: 80 000 000 :1 ACR	Contrast Ratio:12 000 000 :1 ACR
3D-Characteristics	160 cd/m <sup>2</sup> Brightness with glasses 1.920 x 1.080 per Eye Resolution	210 cd/m <sup>2</sup> Brightness with glasses 2.560 x 1.440 per Eye Resolution	180 cd/m <sup>2</sup> Brightness with glasses 3.840 x 2.160 per Eye Resolution
	Linear Polarization 45°/135° Beamsplitter: half transparency Mirror		
3D-Formats	Quad Buffered OpenGL, Side-by-Side, Top-Bottom, Quad Buffered DirectX		
Operating Systems	Windows / Linux / macOS-Compatibility, Windows-10 Certification		
Power Consumption	Power Consumption 53W typical, max. 1W in Power Management Mode Annual Power Consumption 94 kWh / year	Power Consumption 75W typical; max. 1W in Power Management Mode Annual Power Consumption 131 kWh / year	Power Consumption 98W typical; max. 1W in Power Management Mode Annual Power Consumption 173 kWh / year
	Power Management VESA DPMS™, Energy Star 6.0 Efficiency Class B		
Weight	23 kg, set weight with stand	25 kg, set weight with stand	26kg, set weight with stand
Measurements	54 x 59 x 46 cm (WxHxD)	80 x 68 x 54 cm (WxHxD)	80 x 68 x 54 cm (WxHxD)
Interfaces	2x DisplayPort 1.1 cable 2,5m (integrated)	2x DisplayPort 1.2 cable 3m (integrated)	2x DisplayPort 1.2 cable 3m (integrated) 2x integrated USB ports
	1 x main plug AC 100 - 240 V, 50 / 60 Hz	1 x main plug AC 100 - 240 V, 50 / 60 Hz with power switch and fuse 3.15 A	
Audio	Integrated Speaker 2 x 2 W	Integrated Speaker 2 x 2,5 W	Integrated Speaker 2 x 3 W
Design	Diamond Dark Alu/Steel Construction Integrated Electronics Adjustable Stand Made in Germany	Diamond Dark Aluminum Construction Integrated Electronics Adjustable Stand Made in Germany	
Technical Notes	2x DisplayPort 1.1 output to the graphics card is required, optionally available as dual DVI version	2x DisplayPort 1.1 output to the graphics card is required AMD FreeSync support	2x DisplayPort 1.2 output on the graphics card is required for 60Hz, with DP 1.1 is 30Hz operation possible. FreeSync support with AMD * 10Bit color depth with QuadBuffer 3D stereo works only with AMD graphics cards
Warranty	1 Year Warranty without exclusion, with carepack extended up to 5 Years		

## 11. Warranty

Schneider Digital offers a 12-month manufacturer's warranty on the 3D PluraView Stereo Monitor. It is possible to extend the warranty for up to 5 years from the date of purchase.



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