



SXGA61

- binoculat HMD -

1. Technical Characteristics

The SXGA61 HMD is a specialized product designed for Virtual Reality (VR) applications. It is an opto-electronic device that projects an image or streams video through near-the-eye micro-displays. The SXGA61 HMD is used like a standard monitor for computers with HDMI video output. The device is equipped with two micro OLED displays attached to magnifying optical elements of high quality for each eye.

2. Technical Specifications

Micro Displays	2 x SXGA OLED 1280 x 1024 pixels
Display Color	4 x 10 bits for RGBW
Luminance (RGBW)	300 cd/m ² (typical), 400 cd/m ² (max)
Contrast	10 000 : 1
Frame Rate	60 Hz
Overlap	100 %
FOV (diagonal)	43 - 45 degrees
Aspect Ratio	5:4 (12 mm x 9.6 mm active area display)
Distortion	< 3 %
Eye Relief	27 mm
Eye Motion Box	8 mm (h) x 6 mm (v)
Eye distance (IPD)	56 – 68 mm adjustable
Accommodation Distance	2130 mm
Video Interface	HDMI
Power Consumption	< 2.5 W (5V taken from USB)
Operating Temperature	-40° C to +70° C (operating temperature display)
Weight	210 g
Dimensions (W/H/D)	150 mm x 53 mm x 52 mm

Subject to technical modifications

3. How to operate the SXGA61

- 1) Connect the HDMI plug to the graphic-card output of your PC.
- 2) Connect the USB plug, which comes from the HDMI-Dongle, to the PC. This will power-up the SXGA61.

To disconnect the SXGA61 from your computer, perform the above steps in reverse order.

4. Models



*SXGA61-S single front camera
(video see-through)*



*SXGA61-3D double front camera
(stereo video see through)*



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