

# ROG XREAL R1 GAMING AR GLASSES



reddot winner 2026  
gaming and streaming design



## KEY FEATURES

SOUND BY  
**BOSE**

Up to  
**171"** Experience  
breathtaking and  
immersive visuals

**240Hz**  
Rapid Refresh Rate Up to 240Hz refresh  
rate for ultra fast and  
smooth gameplay

**0.01ms**  
Response Time With a 0.01ms  
response time,  
smearing and motion  
blur are virtually  
eliminated.

**106%  
sRGB** Ensure vibrant colors  
that bring pictures,  
videos, and movies to  
life

  
USB Type-C USB Type-C®  
connectivity  
compatible with  
different devices



Allows users to control  
the lighting colors and  
effects on the glasses

**HDMI**  
HIGH-DEFINITION MULTIMEDIA INTERFACE  
 HDMI2.0 x2,  
DisplayPort1.4 x1  
support by ROG  
Control Dock

  
ASUS  
DisplayWidget Center Switch difference  
setting in just one  
click



HDR support with ROG  
Control Dock

# ROG XREAL R1

<b>Display</b>	<p>Display Technology: Sony Micro OLED          Panel size: 0.55"          Resolution: 1920 x 1080 pixels per eye          Refresh Rate: 120Hz , 240Hz ( Frame rate Boost On)          Panel Response time : 0.01ms          Motion-to-photon Latency : 3ms          Brightness: 700 nits (max)          Color Gamut: 106% sRGB          Field of View(Degree) : 57          Virtual screen size: Up to 171" (in 4 meters)          Instant 3D: Yes          3D mode Support: Yes          Electrochromic Dimming Technology: Yes , 3 tint levels          Auto Transparency: Yes, in Anchor Mode</p>
<b>Sensor</b>	Capacitive sensor
<b>Environment understanding</b>	Native 3DoF
<b>IPD (Interpupillary Distance)</b>	<p><b>R1-N:</b> IPD 57-66 mm  <b>R1-B:</b> IPD 66-75 mm</p>
<b>Audio Feature</b>	<p>Speaker: Yes, Sound by Bose          Microphones: Mic-Array with noise-cancelling          Audio technology: Phase cancellation</p>
<b>I/O Ports</b>	USB Type-C : x 1 (DP Alt Mode)
<b>Mechanical Design</b>	<p>Temples angle adjustment: 3 level          Aura RGB: Yes</p>
<b>Accessories</b>	Carrying case, USB-C cable, Warranty card, QSG, Cleaning cloth, Detachable prescription lens frame, Nose pads, ROG Control Dock
<b>Certificate</b>	<p>TUV Flicker-free          TUV Low Blue Light (Hardware Solution)          TUV Eye Comfort(AR)</p>
<b>Dimension</b>	<p>Phys. Dimension : 15.3 x 4.9 x 16.6 cm (6.02" x 1.92" x 6.53")          Box Dimension : 27.1 x 16.1 x 15.7 cm (10.66" x 6.33" x 6.18")</p>
<b>Weight</b>	<p>Net Weight : 0.09 kg (0.19 lbs)          Gross Weight : 1.360 kg (0.88 lbs)</p>
<b>Control Dock</b>	<p>GamePlus : Yes          GamVisual : Yes          HDR Compatibility: Yes, HDR 10</p>
	<p>I/O Port:  <b>Input from Source:</b>          USB Type-C x 1 (Data + Power)          USB Type-C x 1 (DC-IN / 5V)          DisplayPort x 1          HDMI x 1</p> <p><b>Output to Glasses:</b>          USB Type-C x 1 (DP alt Mode, Front)</p>
	<p>Dimension :21.5 x 2.5 x 10 cm (10.66" x 6.33" x 6.18")          Weight: 0.23 kg (0.51 lbs)</p>