

ROG XREAL R1

ROG 20TH ANNIVERSARY EDITION



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


ASUS
DisplayWidget Center

Switch difference
setting in just one
click

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Display	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
Sensor	Capacitive sensor
Environment understanding	Native 3DoF
IPD (Interpupillary Distance)	Narrow size: IPD 57-66 mm Broad size: IPD 66-75 mm
Audio Feature	Speaker: Yes, Sound by Bose Microphones: Mic-Array with noise-cancelling Audio technology: Phase cancellation
I/O Ports	USB Type-C : x 1 (DP Alt Mode)
Mechanical Design	Temples angle adjustment: 3 level Aura RGB: Yes
Accessories	Carrying case, USB-C cable, Warranty card, QSG, Cleaning cloth, Detachable prescription lens frame, Nose pads
Certificate	TUV Flicker-free TUV Low Blue Light (Hardware Solution) TUV Eye Comfort(AR)
Weight	91 g (0.2 lbs)