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ROG XREAL R1S20 EDITION 20

GAMING AR GLASSES

REPUBLIC OF GAMERS

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

Find the perfect screen size and distance for your comfort

ASUS DisplayWidget Center — Switch difference setting in just one click



Freelook feature adjust your view using head movement

ASUS AURA RGB — Allows users to control the lighting colors and effects on the glasses

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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)
Dimension	Phys. Dimension : 15.3 x 4.9 x 16.6 cm (6.02" x 1.92" x 6.53") Box Dimension : 18.4 x 8.3 x 8.7 cm (7.24" x 3.28" x 3.44")
Weight	Net Weight : 0.09 kg (0.19 lbs) Gross Weight : 0.522 kg (0.88 lbs)

**Frame Rate Boost achieves FHD 240Hz through image scaling. Visual sharpness may be slightly reduced compared to native resolution mode.*
***All specifications are subject to change without notice.*

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