

BRELYON

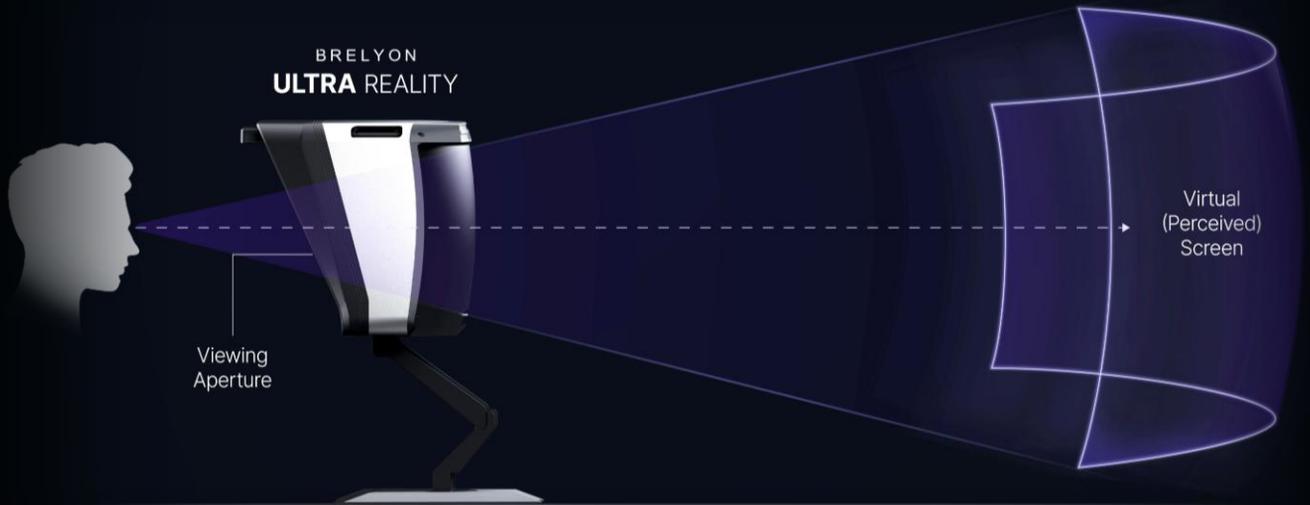
XR SIM & TRAINING. NO HEADGEAR.

Effortless Immersion for Simulator Visualization

Transform your simulation and training programs with Brelyon Ultra Reality® (UR), the headset-free virtual display technology that delivers unmatched realism, efficiency, and flexibility.

As an alternative to bulky headsets and multi-monitor setups, UR offers a single, compact display that provides a panoramic view, depth perception, and immersive experience, empowering trainees to achieve proficiency faster and retain critical skills longer.

With a 20X SWaP reduction compared to a six-monitor setup, UR enables training facilities to fit more stations in a mobile or classroom environment. The space savings is even more pronounced compared to projection-based systems. And relative to VR headsets, UR offers a comfortable viewing experience, increases training throughput, decreases ramp-up time, and eliminates sanitation and user calibration requirements.



PRODUCT FEATURES

Enhanced Immersion

Experience a 110° field of view, larger than most headsets, allowing instructors to observe and guide trainees seamlessly. With 2 meters of variable depth in 4K, it accurately represents natural terrain and environments.

Easy Integration

Backward compatibility with existing systems (HDMI or DisplayPort inputs) eliminates the need for new content, software, or infrastructure. As a modular upgrade, use these displays like any other desktop monitor.

Unparalleled Comfort

The display's optical design reduces eye fatigue, allowing for higher engagement and faster time to proficiency. As an alternative to headsets, Brelyon fills the gap for training curricula where operators cannot use the headsets for extended periods of time.

KEY SPECIFICATIONS

Resolution	3840x1440 (4K)
Brightness	450-700 Nits
Contrast Ratio	1000:1 with ambient light suppression
Refresh Rate	60 Hz
Response Time	16ms
Color	DCI-P3 98% (CIE1976)
Display Colors	1.07B
Image Size	122"
Field of View	110°
Depth Profile	1.4-2.4 meters
Aperture Size	30"
Weight	31 lbs (14 kg)
Power Consumption	65 Watts