

# Holo-Room MAX

Life-size experiences and realistic simulations



The Holo-Room MAX is a fully immersive room, suitable for lifelike and life-size experiences and realistic simulations. This is the world's only social immersive experience.

The Holo-Room MAX is a large room of between 4 x 5 meters (13.1 x 16.4 feet) and 10 x 20 meters (32.38 x 65.6 feet) constructed from a metal frame covered with fabric. Inside the rooms are projectors and tracking equipment that project objects inside that appear to be floating in the air.

When the holographic is projected, the walls turn invisible. Making it look like you are in a large open space. And of course, all without a clumsy headset!

The hologram in the room can be seen correctly by two users, who's movements are tracked by the device. Other users inside the room will see a distorted (bent) image. However, when the projections are projected on the wall, the room will take up to ten users simultaneously.

The Holo-Room MAX is one of the more impressive devices because it can produce the largest holograms. It is best suited for showing life-size simulations, playing games, or entering the metaverse.

# Holo-Room MAX Product Data Sheet

Introducing the revolutionary Holo-Room MAX, the next generation of Tekle Holographics' immersive technology platform. This expansive, versatile space can be customized to dimensions ranging from a spacious 4 x 5 meters (approximately 13.1 x 16.4 feet) to an impressive 10 x 20 meters (32.8 x 65.6 feet), making it our most adaptable solution yet. Constructed from a sturdy metal frame adorned with high-tech fabric, the Holo-Room MAX embodies the pinnacle of Tekle's innovative design and engineering capabilities.

Hidden within the structure of the Holo-Room MAX is our state-of-the-art projection and tracking system, capable of rendering hyper-realistic objects that appear to float within the room. This cutting-edge technology sets a new standard in immersive experiences, reshaping the landscape of virtual reality and holography.

A transformative feature of the Holo-Room MAX is its ability to project immersive holographic environments. When activated, the surrounding walls seemingly vanish, opening up to a vast, boundless space. This unprecedented illusion of depth and scale transcends the barriers of physical reality, transporting you into a vast expanse of virtual dimensions, all achieved without the need for cumbersome headsets.

The Holo-Room MAX is designed with user experience at its core. It can track and adapt to the movements of two users simultaneously, ensuring an accurate, undistorted view of the holographic projection. This dual-user tracking system provides a collaborative platform for a shared interactive experience, promoting teamwork, communication, and shared creativity.

While the optimal holographic experience is designed for two users, the Holo-Room MAX remains versatile, accommodating up to ten users when projections are displayed on the wall. Despite the distortion in perspective for the additional users, the shared experience creates an engaging platform for collaborative discussions, group presentations, or team-building activities.

The Holo-Room MAX stands as a testament to Tekle's commitment to pushing the boundaries of holographic technology. Its ability to produce the largest holograms sets it apart from any other device in the market. This feature, coupled with the room's expansive size and advanced technology, makes the Holo-Room MAX the definitive choice for a diverse range of applications. Whether you're interested in life-size simulations for professional training, immersive gaming experiences, or exploring the limitless possibilities of the metaverse, the Holo-Room MAX provides the platform to make it possible.

# Holo-Room MAX Product Data Sheet

Features	
Hologram Depth	Holograms can appear anywhere in the room and up to 4m out from the displays
Colour	Full Colour spectrum
3D Style	Light-weight typical 3D glasses & projection system (no bulky headset)
Number of active users	2
Number of passive users	Any

Hardware	
Projection system	4x 240Hz - 4K - 19,000 lumens
Tracking System	6-Point tracking system
Tracked Peripherals	4x Active glasses & 4x Wand
Untrack Peripherals	6x Passive glasses
Optional Peripherals	Haptic Gloves or Gesture Gloves
Frame	Metal frame covered in fabric (customizable) with 4 projection area's
Workstation	Specially configured Holographics workstation
GPU	4x Nvidia L40S
Speakers	5.1

Hardware Features	
Contrast Ratio	20,000: 1
Laser Light Life	20,000 hours
Brightness	19,000 ANSI Lumens per projector
Light Source	Laser
Screen Resolution	5120 x 3200 3D per user
Screen Size	3x (2.3m x 2.2m) screens, trapezoid floor
Refresh Rate	Stereoscopic 120Hz per user

Requirements	
Power outlet required	10kW
Internet required	Ethernet
HVAC required	4kW
Required space	4m depth x 5m width x 3m height