Holo-Wall PRIME

Versatile device with many applications

The Holo-Wall PRIME creates a 2x3.5m screen which visualizes 3D information and acts as an interface between the real and virtual world. Holograms can extend out into the room up to 4m.

The Holo-Wall PRIME is a Holographics device which creates a window or portal pushing into the wall. It can also make holograms that can extend from the wall into the room up to 4 meters (13 feet).

The device has two main modes. The first mode can have animation and interactivity and can be used for a number of applications in a variety of industries. With the second mode it's possible to create holographic tours of real places or of the metaverse.

You can watch tv on the wall or play your favourite console game and turn it into a holographic portal with the push of a button.

One persons can view the hologram perfectly from any position. Others can still see it, but slightly distorted (bent). On the other hand, if the audience is 3 meters or more away, it is possible to have up to 30 viewers. This allows for large scale holographic presentations, and the hologram will function as a sort

Holo-Wall PRIME Product Data Sheet

The Holo-Wall PRIME, a product of Tekle Holographics, is a revolutionary device designed to blur the boundaries between the real and the virtual world. As a versatile device with wide-ranging applications, it transforms your space into a multidimensional, interactive experience.

The Holo-Wall PRIME creates a 2x3.5m screen, visualizing 3D information and acting as an interface between the physical and digital world. This remarkable product pushes the limits of holographic technology by producing holograms that can extend up to 4 meters (13 feet) from the wall into the room, creating an immersive environment that extends beyond the traditional confines of a screen.

This sophisticated device has two primary modes. The first mode offers a dynamic display with the ability for animation and interactivity. This mode has found utility across diverse industries, demonstrating the Holo-Wall PRIME's versatility. The second mode, on the other hand, allows the creation of holographic tours of real locations or even the metaverse. This capability offers an unparalleled viewing experience, taking you on virtual journeys at the click of a button.

The Holo-Wall PRIME brilliantly hosts traditional 2D media, elevating your gaming and television viewing experiences. It transforms your wall into a vibrant, expansive display for your favourite games and TV shows. Despite not offering 3D for these formats, the immersive and large-scale presentation enriches your enjoyment, making the Holo-Wall PRIME a versatile choice for all your media needs.

The Holo-Wall PRIME is also designed with a focus on user experience. A single person can view the hologram perfectly from any position, while others may see it slightly distorted. However, when the audience is positioned 3 meters or more away from the device, it can cater to up to 30 viewers. This feature opens doors for large scale holographic presentations, with the hologram functioning as a window to the world beyond the wall, making it an ideal choice for professional presentations, educational settings, or entertainment purposes.

In conclusion, the Holo-Wall PRIME is more than just a device; it is a gateway to uncharted experiences. Its ability to create life-sized holograms, its versatility across industries, and its potential for both personal enjoyment and professional presentations make it a significant leap forward in interactive technology. Experience the future today with the Holo-Wall PRIME.

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Features	
Hologram Depth	4m in front of the screen, infinite behind screen
Colour	Full Colour spectrum
3D Style	Light-weight typical 3D glasses & projection system (no bulky headset)
Number of active users	1
Number of passive users	Any

Hardware	
Projection system	1x 120Hz – FHD – 4000 Lumens
Tracking System	4-Point tracking system
Tracked Peripherals	2x Active glasses & 2x Wand
Untrack Peripherals	6x Passive glasses
Frame	Metal frame attached above projection screen
Workstation	Specially configured Holographics workstation
GPU	1x Nvidia RTX 4500 Ada
Speakers	2.1

Hardware Features	
Contrast Ratio	12,000: 1
Laser Light Life	20,000 hours
Brightness	4,000 ANSI Lumens
Light Source	Laser
Screen Resolution	Full HD 3D SBS
Screen Size	3.6m wide x 2m high
Refresh Rate	Stereoscopic 120Hz per user

Software	
RealityBridge BIM	View and interact with BIM Models. Supports: ArchiCAD Autodesk BIM 360, Autodesk Navisworks (export only), Autodesk Revit, Rhino, SketchUp
Custom software	Develop your own application using our Unity THSDK (Tekle Holographics SDK)

Requirements	
Power outlet required	1kW
Internet required	Ethernet
HVAC required	1kW
Required space	2.68m height by 3.6m width by 4m floor space (depth)