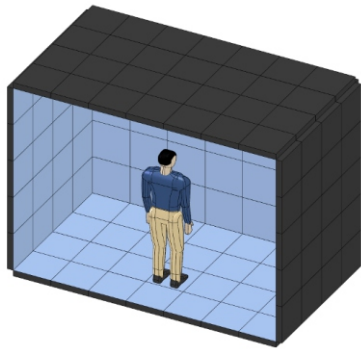


VisCube LED™

CAVE Immersive 3D Display

visbox



The **VisCube LED™** is an **extreme brightness** CAVE immersive virtual reality system. It can be used in a well lit room. It features rugged DirectView LED tiles allowing for scalable resolution and many possible display configurations. The VisCube LED is configured as a turn-key immersive virtual reality system, complete with a tracking system and graphics workstation. See datasheet below.

The VisCube LED features DirectView LED tiles, providing **extreme brightness, scalability, durability, and minimal maintenance.**

Many configurations are possible.

VisCube LED Datasheet



System Specifications

- Screens: scalable, many possible configurations
 - Resolution: 400x400 per tile, 1.25mm pixels
 - Brightness: 1500 nits per tile
 - Size: tiles are 500mm x 500mm
 - Rugged: embedded in epoxy, walkable, washable
 - Common cathode technology: lower power, less heat
- Includes:
- DirectView LED tiles
 - Sendboxes to send video from Image Generator to tiles
 - Free-standing structure
 - Active Stereo and 10 pairs of shutter glasses
 - Video, control, and power cabling
 - Installed and calibrated on-site by Visbox, Inc.



NOTE: The drawings on the right show thin lines to illustrate the tiles. The display is completely seamless!



A.R.T. Optical Tracking

- ARTTRACK5 system (4 high resolution cameras)
- Tracked head, tracked wand (controller)



Image Generator

- Graphics workstation with NVIDIA Quadro graphics
- 19" rack and all cabling
- Control console stand with monitor/keyboard/mouse
- Software demos, applications, and development libraries



Sound System

- Soundbar and subwoofer



Option: Surround Sound System

- Surround speakers: 5 satellite and subwoofer (5.1)
- Surround system processor/amplifier



Option: MiddleVR for Unity

- Run Unity applications in the VisCube



Option: Dual-view

- Special 3D glasses (240hz) for 2 separate 3D viewpoints

Information in this brochure is subject to change without any notice. For up-to-date information and to learn more about Visbox, Inc.'s various products and services, please visit our website at:

www.visbox.com

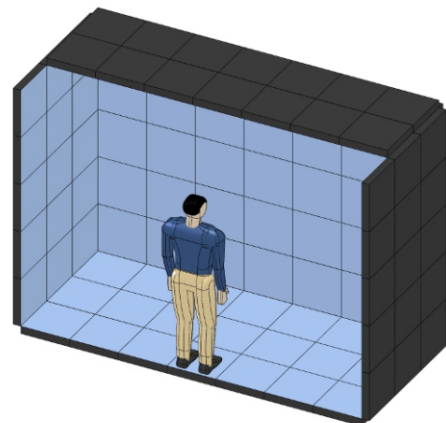
Key Features:

- **Extreme brightness** CAVE VR system
- **High pixel density:** 1.25mm pixels
- **Small footprint:** fits into existing spaces
- Multi-screen immersion: modular, scalable
- **Scalable resolution:** tiles are 500mm x 500mm
- **DirectView LED:** extreme brightness, seamless
- **Rugged:** durable, minimal maintenance
- **Common cathode technology:** lower power, less heat
- Multi-use: mono, stereo 3D, tracked stereo 3D (VR)
- High framerate (240hz) for **dual-view** (2 3D viewpoints)
- Many configurations available



Multi-Screen Applications

The VisCube provides a high level of immersion using multiple life-size 3D display surfaces surrounding the user. With the addition of head tracking, virtual objects appear at human scale and users can manipulate their perspective with natural head movements. This ability to look in, out, and around virtual objects enhances the ability to visualize many types of data.



Other VisCube Models

VisCube M4, M5: 12' wide, 1920x1200
VisCube C1, C2, C4: 12' wide, 1920x1200
VisCube C4-4KU: 12' wide, **3840x2400**
VisCube C4-T2: 10' wide, **4096x4096**
VisCube C4-T3X: 13' wide, **6000x4096**

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