

VisCube M4-6K™

CAVE Immersive 3D Display



The **VisCube M4-6K™** is a **high resolution, high performance** front projected CAVE immersive virtual reality system. The VisCube M4-6K is a turn-key immersive virtual reality system, complete with a tracking system and graphics workstation.

The **VisCube M4-6K** is **ultra compact**. It can be installed in small spaces.

The **VisCube M4-6K** makes use of high quality ultra-short throw optics. The result is excellent image quality. Users do not cast a shadow until they are within an arm's length from the screen. Getting any closer is not very useful, the system provides the same experience as a rear projected CAVE.

VisCube M4-6K Datasheet



System Specifications

- Resolution: 6144x3240 front wall, floor
4608x3240 side walls
- Screen size: 170" x 90" front wall, floor (4.32m x 2.29m)
128" x 90" side walls (3.25m x 2.29m)
- Footprint: 14.5'w x 11.1'd x 11.8'h (4.42m x 3.37m x 3.56m)

Includes:

- 4 active stereo 6K projectors (6144x3240)
- Laser light source: stable color, no lamp changes
- Free-standing structure
- Projection floor surface
- Custom projector positioners
- Active stereo and 10 pairs of glasses
- Video, projector control, projector sync, and power cabling
- Installed and calibrated on-site by Visbox, Inc.



A.R.T. Optical Tracking

- TrackPack4 system (4 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: DEP (dual eyepoint)

- 240hz display allowing for two separate 3D viewpoints
- Resolution decreases to 4K (4096x2160) per surface when enabled

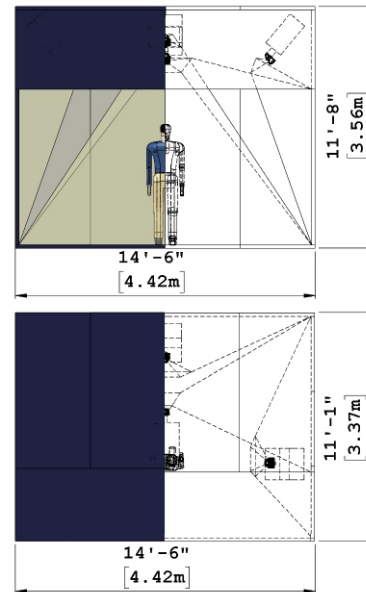
Key Features:

- **High resolution** front projected **CAVE** VR system
- **Ultra compact footprint:** fits into very small spaces
- Free-standing: can be placed anywhere in a room
- Multi-screen Immersion: 3 walls and a floor
- Extra large **14' wide** front wall allows more viewers
- **6K (6144x3240) resolution projectors**
- **Laser light source:** stable color, no lamp changes
- Multi-use: mono, stereo 3D, tracked stereo 3D (VR)
- **DEP:** 240hz allowing 2 separate 3D viewpoints
- Custom 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 C4-4KU: 12' wide, **3840x2400**
- VisCube C4-T2: 10' wide, **4096x4096**
- VisCube C4-T3X: 13' wide, **6000x4096**
- VisCube LED: **bright, seamless, scalable**

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www.visbox.com

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