VisCube C4-4KU™

CAVE Immersive 3D Display

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Key Features:
- High resolution CAVE VR system
- Multi-screen Immersion: 3 walls and a floor
- Large **12' wide** front wall allows more viewers
- **4K UHD (3840x2400) resolution**
- **Laser light source:** stable color, no lamp changes
- Multi-use: mono, stereo 3D, tracked stereo 3D (VR)
- **DEP option:** 240hz allowing 2 separate 3D viewpoints
- Custom configurations available
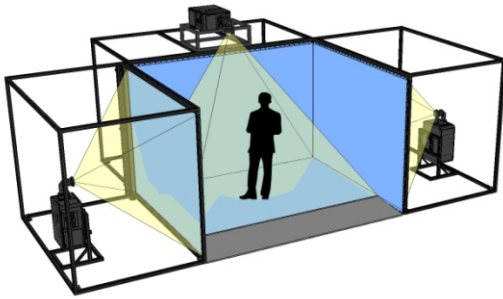
The **VisCube C4-4KU™** is a high resolution CAVE immersive virtual reality system. It features rear-projection walls and a front projected floor. The 12' wide front wall and floor allow more viewers in the space than a standard 10' wide CAVE configuration. The VisCube C4-4KU is configured as a turn-key immersive virtual reality system, complete with a tracking system and graphics workstation. See datasheet below.

The VisCube C4-4KU features a **laser light source**, providing stable color and eliminating lamp changes. The VisCube C4-4KU is similar in layout to the popular VisCube C4 except with almost 4 times the resolution.

VisCube C4-4KU Datasheet

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System Specifications
- Resolution: 3840x2400 front wall, floor
  3200x2400 side walls
- Screens: 3 walls + 1 floor
- Screen size: 144"w x 90"h front wall, floor   (3.66m x 2.29m)
  120"w x 90"h side walls   (3.05m x 2.29m)
- Footprint: 25.5'w x 17'd x 10.5'h   (7.73m x 5.15m x 3.13m)
Includes:
- 4 active stereo 4K UHD projectors (3840x2400, 15k lumens)
- Laser light source: stable color, no lamp changes
- Free-standing aluminum structure with front-surface mirrors
- Raised floor surface
- Custom projector positioners
- Active stereo and 10 pairs of shutter glasses
- Video, projector control, projector sync, and power cabling
- Installed and calibrated on-site by Visbox, Inc.

ART▶

A.R.T. Optical Tracking
- ARTTRACK5 system (4 high resolution cameras)
- Tracked head, tracked wand

NVIDIA.

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

Sound System
- Soundbar and subwoofer

Option: Surround Sound System
- 5.1 Surround speakers: 5 satellite, subwoofer
- 5.1 Surround system processor/amplifier

.middleVR FOR UNITY

Option: MiddleVR for Unity
- Run Unity applications in the VisCube
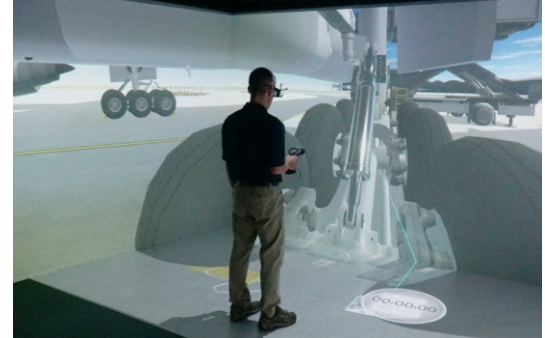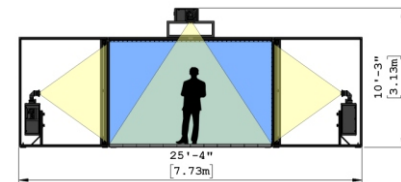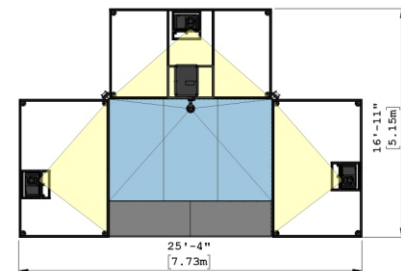
Option: DEP (dual eyepoint)
- 240hz display allowing for two separate 3D viewpoints
- Resolution decreases to 2560x1600 per surface when enabled

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www.visbox.com

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-T2: 10' wide, **4096x4096**
VisCube C4-T3X: 13' wide, **6000x4096**
VisCube LED: **bright, seamless, scalable**

Contact Us:
Visbox, Inc.   www.visbox.com
304 Northgate Drive   sales@visbox.com
St. Joseph, IL 61873 USA   1-217-469-2020