

VIDEOVISION™



VIDEOVISION

VideoVision is the ultimate solution for affordable and flexible augmented reality applications. See the virtual and the real world simultaneously. Augment your reality with computer generated imagery and animations. Precisely manipulate reality for scientific research applications.

VideoVision includes two separate color cameras with NTSC/PAL output signals, a precision omni mount, hardware-accelerated image acquisition, and host PC for combining the captured video with computer generated images.

Durable Superlock fasteners allow easy and secure attachment of VideoVision to almost any head-mounted display. Easily detachable when not needed.

VIZARD and VIDEOVISION

Use the built-in commands in WorldViz' 3D authoring tool Vizard to control the capture, exposure or to buffer up to 20 seconds of video for adding temporal delays. Vizard also makes it extremely easy to add interactive 3D content by importing virtually any 3D file format.

COMPONENTS

- 2 color stereo cameras
- 2 power supplies
- 2 video cables
- High-precision aluminum omni mount
- Dual channel real-time image acquisition
- PC computer

SPECIFICATIONS

- Type: stereo video see-through
- Apps: augmented reality, mixed reality
- Cameras: dual, color, NTSC/PAL
- Capture resolution: 640 x 480 pixels
- FOV: 78 diag. degrees per camera
- Standard lens: 4.3mm -78° (F 2.0), user changeable
- Eye distance (IPD): 32-107 mm adjustable
- Refresh rate: 60 Hz
- Scanning system: 2:1 interlace
- Sync system: internal sync
- Convergence: manually adjustable
- Focus: manually adjustable
- Iris: fixed
- Electronic shutter time: NTSC 1/60-1/100,000 sec
- Electronic shutter time: PAL 1/50-1/100,000 sec
- Minimum illumination: 1 Lux (F 2.0)
- Brightness: electronically adjustable
- Contrast: electronically adjustable
- Power unit: 12V DC connects at computer
- Power consumption: 320mA (TYP)
- Cable length: up to 30 meters
- Operating temperature: -10°C to +50°C
- Weight: 230 g
- Dimensions (L x W x H): 185mm x 48mm x 47mm

Global Headquarters

29 West Anapamu St 101-121
Santa Barbara, CA 93101, USA
www.worldviz.com/support
Toll Free +1-888-841-3416

WORLD VIZ