Immersive Environments

Low latency, precise tracking for a truly immersive experience

“Having tried many motion tracking solutions over the years we are extremely happy with Vicon in terms of accuracy, ease of use, support and coverage. When we switched to Vicon three years ago, we were able to get better performance with four cameras compared to our previous 16 camera system. We would strongly recommend Vicon for any VR application.”

Mats W. Johansson, CEO, EON Reality

Pioneering motion capture since 1984.
As your industry leading tracking partner, Vicon’s hardware and software will integrate perfectly with your entire solution.

Visualize
A Vicon system not only delivers low latency and precision it is also easy to integrate and implement, saving you thousands in development costs straight out of the box.

Low latency gives the user a better response time in the virtual environment and Vicon’s precise tracking means the user can suspend their disbelief and accept the virtual environment as real.

Vicon systems have been used in a variety of immersive reality and visualization applications from product design reviews in manufacturing to getting to grips with new equipment for medical training.

Serious Games
With years of industry experience, Vicon provides the highest quality animation for the most plausible in-game experience. Lifelike movement in your games will enhance users sense of immersion and the efficacy of the training.

Technology
Bonita
Building on years of innovation, Bonita’s VGA and one megapixel cameras are the latest generation of Vicon optical capture camera. Flexible enough for unusual environments where space might be limited, our smallest cameras reliably captures precise motion data at an affordable price.

T-Series
Ranging from one megapixel all the way up to 16 megapixels, 2D on-board tracking and streaming grayscale data through system-wide gigabit Ethernet, the T-Series is like no other. It’s the attention to detail that gives T-Series its technical edge. From pixel to processor, sensor to strobe, everything is engineered to work beautifully.

Apex
Your ability to interact with a virtual environment is dependant on the interaction device you use and it couldn’t be simpler with Vicon Apex. Custom built for motion tracking, Apex offers reliable, robust tracking with only two Bonita cameras, haptic feedback collision warning and precise data even in large volumes.

Tracker
Designed to be diverse, Tracker is a powerful object tracking software solution. It provides unrivaled data precision for integration into 3D applications such as VirTools, Open Scene Graph, WorldViz, TechViz, CATIA or any TrackD or VRPN capable application. With a simple user interface, you can switch on and start tracking quickly and easily with Vicon Tracker.

Accessories
Get started straight away with passive and active clip on frames for several types of 3D glasses and easy-to-apply, comfortable-to-wear Vicon Rigid Bodies. Six-degrees-of-freedom tracking of human body segments or objects and no subject calibration.

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