

Holographic meetings

Objective: To offer a telepresence system in which the volumetric video of a remote assistant is projected using augmented reality techniques.

Description:

In a meeting room, participants with HoloLens 2 augmented reality glasses will be able to access the telepresence service and have the participation of the remote assistant, as a 3D augmented reality figure. It will appear as a three-dimensional "character" that can be observed from all angles, useful for teaching movements, rehabilitation techniques, complex operations or 3D design objects.

The project will deploy a volumetric capture room, with multiple Intel RealSense depth cameras, which will capture a person's 3D body in real time, and generate, using Evercoast's software, a volumetric video that will be sent over the 5G network via its high bandwidth upstream to the Telepresence platform.

The operator's Edge Computing deploys the Telepresence platform that will serve this volumetric content to the virtual meeting attendees.

