Camdroid

The Camdroid project was created to work with experimental technologies, bringing real-time set editing into a virtual production scenario. By using current HMD technology and gesture control devices an interface was created to explore the virtual or augmented scenery in an immersive way and edit virtual objects by pure hand movements.
The gathered experiences from this setup are incorporated in the ongoing research for the Dreamspace demonstrator.

Once more the company Camdroid tries to revolutionize the filmmaking business with a ground-breaking product: the autonomous camera robot CamBot Mark 2. However, this leaked video reveals some dramatic deficits.
Watch the video: https://youtu.be/DQOZ4DeyFcM

The short film 'Camdroid' has been produced in a virtual production environment, applying a custom 3D user interface, which consisted of an Oculus Rift head-mounted display and a Leap Motion gesture-recognition controller (https://youtu.be/XWS4fwFnwew).
Basically the entire production was a test field for innovative visual effects production tools and aimed at a more intuitive human-computer interaction for virtual production scenarios.
The project has been supported by supervisors from both Media University Stuttgart and Filmakademie Baden-Württemberg, while the development of the demonstrated interface prototype as well as the related experimental production has been carried into execution in line with Project Dreamspace. Project Dreamspace is initialized and funded by the Seventh Framework Programme of the European Union
and brings together seven renowned institutions in order to research, develop and demonstrate tools that enable creative professionals to combine live performance, video and computer-generated imagery in realtime.

Credits:
direction, modelling, animation, rendering & compositing: Kai Götz
technical development: Stefan Seibert
technical support: Simon Spielmann
production: Tobias Müller
additional compositing: Andreas Schuster
additional rotoscoping: Ally Samaniego

sound design: Volker Armbruster
secondary animation: Volker Helzle, Nicole Rothermel
project supervision: Volker Helzle, Simon Spielmann, Katja Schmid,
Simon Wiest
motion capture performer: Patricia Griotto, Louis von Klipstein
thanks to: Conrad Lobst, Adrian Meyer, Jonas Trottnow, Sebastian
Moreno
Music: Hopefulness (original mix) by Fabkira licensed under CC BY-SA
3.0
and many more

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To access and download the Maya and Unity character files, mocap
and ncam data copy and paste this link in your browser:
ftp://dreamspaceGbjU75FGO05CFtFtk@ftpbig.animationsinstitut.de/12_15_C
amdroidData.zip