Promoting and increasing the value and attractiveness of cultural heritage, through evolutionary technologies based on machine learning and standard preservation technologies is an important issue. The aim of our current work is to provide an efficient framework that ensures quality and maintains cost-effectiveness through advanced imaging technologies. From a multimedia perspective, the project is introducing the 3D Holoscopic (H3D) imaging technology for cultural heritage digitization. The CEPROQHA Collection Management System (CMS) is the centric part that links and integrates all the components and tools developed within the project.
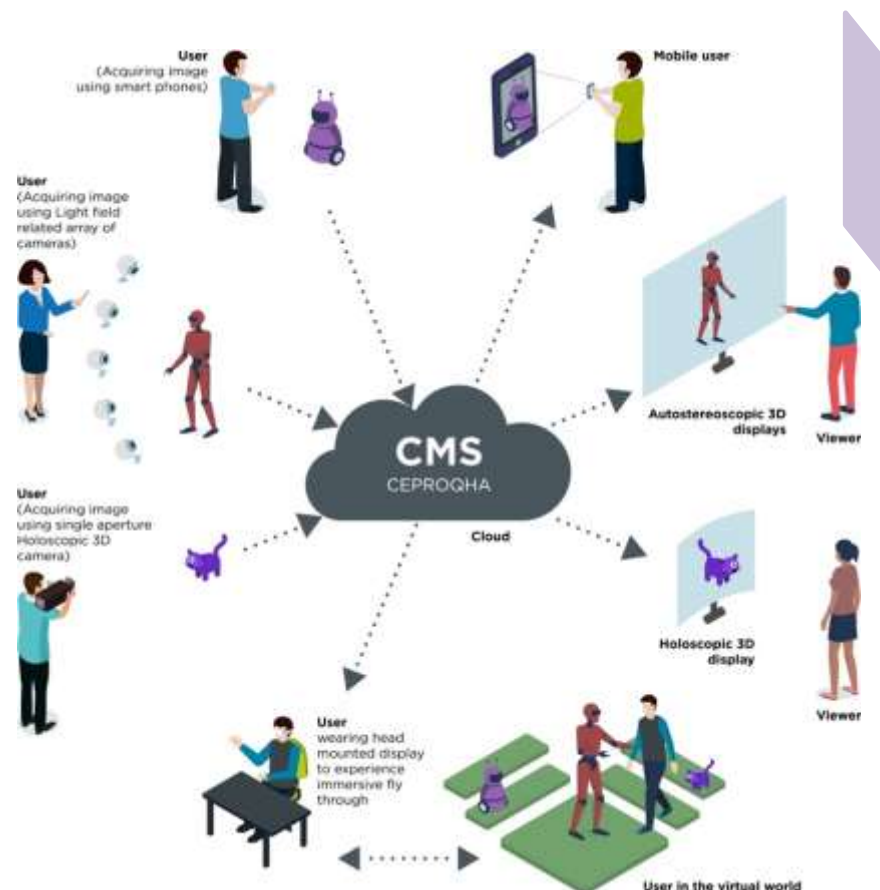
CEPROQHA
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Figure 1. CEPROQHA CMS modules and multimedia features

The project aims at increasing the attractiveness of cultural heritage by leveraging cutting edge multimedia and computer intelligence technologies through several collaborations with Brunel University London – UK, and local stakeholders in the art and culture domains, such as the Qatar Museums, the Museum of Islamic Art and the Sheikh Faisal Bin Qassim Al Thani Museum.