

QUIQ is designed to ease the development process of Augmented Reality applications, giving priority to performance, stability and flexibility. It's a useful and effective tool both for expert designers, thanks to its programming interfaces, as for end users as it includes simple and intuitive configuration editors.

Its main features are:

- Multiplatform (Windows, iOS, Android, Linux)
- High performance: optimized for mobile devices
- **Flexible:** designed to perform tracking by different artificial vision methods (natural markers, CAD models, SLAM) and to use different image descriptors (based on texture, edges...)
- **Efficient:** possibility to perform cloud computing transparently to the user



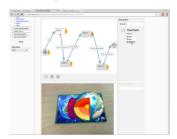
Applications

- Educational/Training environments
- Tourist guides
- Industry
- E-commerce
- Gaming
- Architecture/design
- Advanced services

Use Cases

LeARning

Advanced tool to create training courses supported by Augmented Reality



avatAR

Enriched tour guiding app through storytelling and avatars



CoolTour

Engine for markerless augmented cultural experiences



FlexmARker:

Flexible and scalable product configurator based on markers

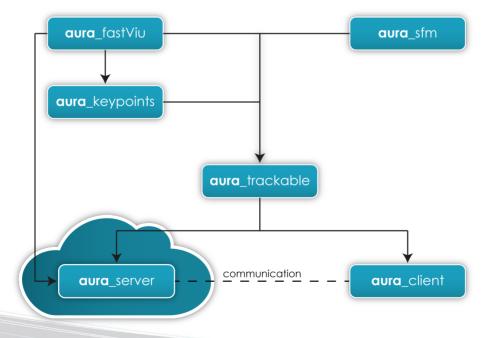






Aura Modules and Architecture

Module	Description	Platforms *Minimum requirements
aura_ keypoints	Function set to detect the features of an image and to describe the descriptors	Android 4.0 IOS 7.0 Windows XP Linux
aura_ trackable	Function set which abstract the designer from the vision technique to use, allowing natural markers, SfM and SLAM homogeneously	
aura_ sfm	Function that allows 3D reconstruction of an environment from images to be used with SfM and SLAM algorithms	
aura_ fastViu	Augmented vision functions optimized to run on ARM processors	
aura_ server	Server features and utilities for applications running in client-server mode	
aura_ client	Client features and utilities for applications running in client-server mode	







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