



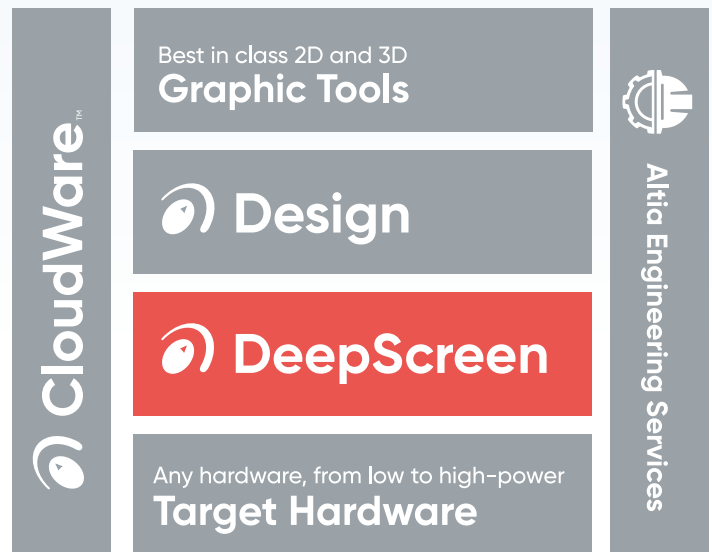
Altia DeepScreen

Automatic graphics code generator

Turn your Altia Design model into compact, deployable graphics code with Altia DeepScreen. Get artwork from any popular graphics software to production hardware from all popular silicon providers.

Key Benefits

- Automatically generate graphics code—no hand coding required
- Build one GUI model and run on any hardware, any OS (or no OS)
- Pre-validate optimum processor and memory during development
- Realize better quality, reduced risk and lowest possible price point
- Simplified certification with efficient C source code
- No loss of concept – the artist’s vision is deployed to production hardware
- Save time and effort by scaling the same GUI model to a variety of hardware



How Altia DeepScreen Works

Start with a fully tested Altia GUI model created in Altia Design. Then quickly generate code with Altia DeepScreen. No hand coding needed. Each DeepScreen target is carefully architected to make the most of each feature of your chip’s resources—delivering peak performance and lowest memory footprint for your hardware. Altia DeepScreen supports a wide array of hardware from

top chip manufacturers, so you can extend that same Altia GUI model to lower cost or more readily available hardware.

For an even better GUI, generate code for test hardware during development along the way and find the best combination of hardware cost and performance.

DeepScreen Target Support



RENESAS



Qualcomm



Panasonic



BlackBerry | QNX

Telechips





Key Features

- External 3D Scene Node updates 3D content without re-generating code
- Binary Asset Manager sets image and texture compression specific to your hardware
- WYSIWYG anti-aliasing lets developers adjust for appearance or performance
- Unique code architecture enables rich GUIs—including 3D—for lower end hardware
- Functional safety solutions available for mission-critical GUI applications
- No file system or OS required
- GUI content is stored once and then indexed again and again

“At the end of the day, Altiia gets the most out of our hardware platform, compared to the alternatives. We’ve tried other tools and previous platforms—and Altiia’s efficiency improvement is very good. So, we’re very happy about that.”

– Jacob VanderWall, Product Manager
at Medallion Instrumentation Systems

Contact Us

For more information about how Altiia can help you get your next great GUI into production, visit altia.com/contact.

Altiia, Inc., World HQ
Colorado Springs, USA

Altiia Europe GmbH
Frankfurt/Neu-Isenburg,
Germany

Altiia Japan KK
Tokyo, Japan

Altiia Korea LLC
Seoul, Republic of Korea