

Render, Rule and Rise!



WITH
Royal Render
THE UPPER CLASS APP



What is Royal Render?

It is the powerful application to organize your render jobs for your renderfarm. It's more than a tool to start frames on your farm, it's an advanced application to manage, control and check your renders. Royal Render has been shaped by the harsh realities of projects small and large. We constantly pursue improved workflow, meaningful features and better performance. We put ease of use up front, keeping innovative algorithms and complex architecture under the hood. Reduce administration time. Keep your time for you. *Use RR - Join the upper class!*

Who uses Royal Render ?

Selection of clients:



SPARKY ANIMATION/SINGAPORE



DIGITAL FRONTIER/JAPAN



SAS INSTITUTE/USA



THE ANIMATION WORKSHOP/DENMARK



BRITISH SKY BROADCASTING/UK



GLASS WORKS/UK



JELLYFISH PICTURES/UK



POLYNOID/GERMANY



STUDIO AKA/UK



THE MILL/UK,USA



BUCK/USA



FILMAKADEMIE
BADEN-WÜRTTEMBERG
FILMAKADEMIE BW/GERMANY

3) Unique Features

Preview images

Send a bunch of jobs in the evening. RR renders and shows a few frames of each job first. Check them and leave the company knowing that all jobs will render fine.

Fast sequence viewer

RR caches your rendered sequence during render. E.g. an HD render with 500 frames is loaded within 20s.

Image checks

Are the frames really rendered? Are they readable? Is a render tile missing?

Intelligent Clients

Detect if a renderer froze or crashed, keep/store information about CPU and memory usage per frame.

- Auto-shutdown if idle and wake-up on new jobs
- Auto-cache texture files (Available for Softimage out of the box, other render apps require custom scripts for your pipeline)
- Workstation artist-client synergy:
 - Enable on logout
 - Disable on high CPU usage or high memory usage
 - Enable after x min no CPU usage (lunch, meeting, gone home and forgot to enable)
 - Use fewer cores if artist logged in
 - Disable during working hours
 - Allow only (e.g.) Nuke jobs during artists working hours
 - Disable if artists starts application X
 - Wake up machine before working hours

User Approval

Pause job after a few frames or after all frames (before post-scripts) and continue after user has approved the job.

EXR Crop and EXR 2.0 Multi-Part

Speed up compositing by huge factors, for one animation feature the speed gain was 100x (Depends on how much empty space your image has and how many layers the EXR file has).

Video Creation

Automatically create small or fullres videos/Quicktimes with custom imprints like frame number, date, scene name, ... and a slate with information.

Client Averaging

End "Priority Wars" once and for all. Tell RR that each project/user/renderapp gets the same amount of render power. And/Or that a project/user/renderapp gets at least 15 clients. And/Or all jobs with the same priority get the same render power.

Why Royal Render ?

1) Created by an artist...

that worked with tough commercial deadlines. The lead developer of Royal Render has worked as Shading/Lighting TD and compositing artist for many productions and he has even worked for Softimage (ICE volume shaders). He understands what artists need as he needed the features himself. Many feature requests from creative artists have turned into a feature, but in a different and better way than the non-technical artist or a pure application developer could think of. It's the synergy that counts.

2) Error resistant

One of Royal Render's main test render farms is the Institute of Animation. They have about 80 Students working on 20 projects at the same time. Rendering with Maya, Houdini, Softimage, 3dsmax, Nuke, After FX, Renderman, Arnold, Cinema and Modo. Everyone wants to render first, there is no render TD with years of experience, often creative non-technical artists are submitting and checking jobs. Every project has its own (invented) pipeline and structure, there is no "known issues" list of things to avoid. Perhaps they check if their jobs are rendering - or not. Therefore RR has to catch all kinds of possible errors, no job should be able to halt the farm.