



#### Count on it.

NewTek LightWave™ is the backbone of fast, efficient 3D pipelines. Day in and day out, LightWave artists deliver stunning graphics and animation on time and on budget. LightWave artistry is everywhere, from blockbuster feature films and primetime television, to the cover of Rolling Stone. The result of the collaboration between artist and LightWave is that more Emmy® Awards for visual effects and animation sit on the mantels of LightWave artists than any others.

Today, that mighty collaboration between artist and NewTek has created a new LightWave. LightWave 10 is innovative, interactive and immersive. Built on a NewTek tradition of pioneering ground-breaking 3D capabilities, LightWave 10 maintains the fast, efficient workflow and powerful, proven render engine you've come to depend on, with seamless integration into diverse pipelines.

LightWave 10 benefits artists with unique features not found in any other 3D application, like Viewport Preview Rendering (VPR) and CG hardware enhancements that give you an immediate look at changes to your rendered scenes, and real-time OpenGL views of Ambient Occlusion, Bloom, Stereoscopic Anaglyph and HDRI background images. LightWave 10 delivers the power of Modeler and Layout with next generation CORE technologies, such as immersive real-time and game tools, Python-based expressions and scripting, Bullet rigid body dynamics and sophisticated UV mapping capabilities.

LightWave 10 will breathe new life into your pipeline. Count on it.

LightWave 10 is the first release of LightWave 3D® to integrate NewTek's CORE technology with Modeler and Layout. The three elements work in unison to give you the workflow and functionality you're familiar with, along with the interactive power of the innovative CORE technologies. LightWave's speed, flexibility, value and control are the benefits you rely on and LightWave 10 delivers all that and more.

Model on it. Animate on it. Render on it.

"WE USE LIGHTWAVE BECAUSE IT'S THE BEST OPTION, PLUS IT'S THE PLATFORM WHICH BEST COMBINES TIME AND PERFORMANCE. WE CAN ALWAYS COUNT ON IT TO GET US THE BEST RESULTS IN THE LEAST AMOUNT OF TIME."

- MAURO CORVELONI, ARTIST, BITT ANIMATION & VFX

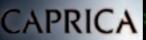


# LightWave<sup>\*</sup> IO Television LightWave is used consistently on Emmy® Award-winning shows. Teams of artists from LightWave facilities have taken home Emmy® Awards nine times in the last nine years for their stellar work in television shows such as: Battlestar Galactica, Lost, Star Trek: Enterprise, Firefly, Frank Herbert's Children of Dune, Star Trek: Voyager, and Frank Herbert's Dune. The winning trend continues this year with Emmy® nominations for LightWave artists working on Caprica, CSI: Crime Scene Investigation, National Geographic

Channel Alien Earths and V.

### Win on it.

Production for television extends beyond Emmy®-winning shows, to the creation of commercials and music videos, where time and budgets can be incredibly short and tight. Here, the value, speed and flexibility of LightWave really shines. LightWave artists prove time and again that they deliver for their clients on projects from the latest ads, such as Volkswagen Amarok, featuring realistic LightWave elephants, to the newest music videos like Red's Ordinary World, and Iron Maiden's The Final Frontier.

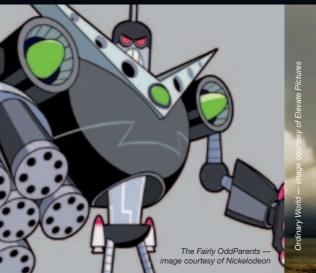






"WITH LIGHTWAVE, WE DON'T HAVE TO SACRIFICE QUALITY FOR SPEED. THE SPEED AT WHICH YOU CAN GENERATE CONTENT WITH LIGHTWAVE MAKES IT OUR TOOL OF CHOICE. THE DIRECTOR NEVER HAS TO FEEL A NEED TO SACRIFICE IDEAS, DUE TO SCHEDULE OR BUDGET CONSTRAINTS."

- ERNEST CHAN, POST-PRODUCTION CG SUPERVISOR, NICK DIGITAL





### LightWave IO



Repo Men — images courtesy of Universal Pictures



The Virtual Art Department (VAD) for James Cameron's Avatar was conceived and created using LightWave as the primary tool for the modeling and creation of the virtual environments, providing Cameron with a virtual 3D set and the ability to view and control the action in real time.

Now, with LightWave 10 all 3D artists have the unique ability to create your own VAD with full support for the InterSense VCam™, virtual camera system built right into LightWave. Immerse yourself fully into LightWave scenes with real-time control of the camera, objects and light placement.

# REPOMEN

"LIGHTWAVE IS EXTREMELY EASY TO USE. IT HAS
A FULL-FEATURED MODELER, SOLID ANIMATION
TOOLS, AND WHAT I THINK IS THE BEST INTEGRATED
RENDER ENGINE OUT THERE ... I'M ABLE TO GET AN
EXTREMELY PROFESSIONAL RESULT ... IF YOU SPEND
AS MUCH MONEY AS I DO KEEPING A STUDIO
AFLOAT, WITH THE DOZENS OF SOFTWARE LICENSES,
HAVING FREE RENDER NODES IS A BIG DEAL!"
- ANDREW CLEMENT, OWNER AND FOUNDER,
CREATIVE CHARACTER ENGINEERING, SPECIAL
MAKEUP EFFECTS DESIGN/CREATOR,
REPO MEN









Computer-generated visual effects are the "star" in many of Hollywood's recent blockbuster films where LightWave played a key role, such as *Alice in Wonderland, Avatar, Repo Men*, and *Tintin*. LightWave 10 delivers robust modeling tools, photorealistic rendering, and easy data interchange, making it the perfect complement to any film production pipeline.

## LightWave\* 10

# Visualization and Design

The powerful renderer and precision modeler make LightWave a natural for visualization and design. From early sketches, to finished print resolution renders, the unique workflow in LightWave provides unmatched creative flexibility. LightWave 10 offers the exclusive ability to see your results instantly. With the new Viewport Preview Rendering (VPR), the

### **Build on it.**

Craig Clark at ten24

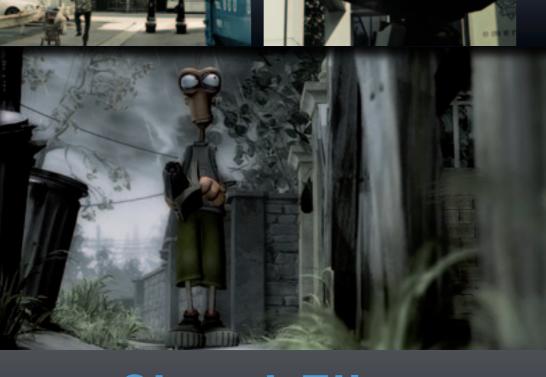
changes you make in your scene, from lights and shading, to scene set-up are done in real time. No more waiting on a final render to view your changes, VPR delivers them on the spot. New CG hardware support delivers real-time OpenGL view of Ambient Occlusion, Bloom, Stereoscopic Anaglyph, and HDRI background images.

**LightWave 10** also provides the freedom to move between applications easily, using MDD with powerful, new capabilities including support for Autodesk® Geometry Cache, COLLADA™, FBX® and ZBrush®. Expand the reach of your 3D pipeline with easy transfer of camera data, lights, objects placement, image and UV maps, parenting hierarchies and more.

Khalid Al-Muharra

## LightWave<sup>-</sup> IO







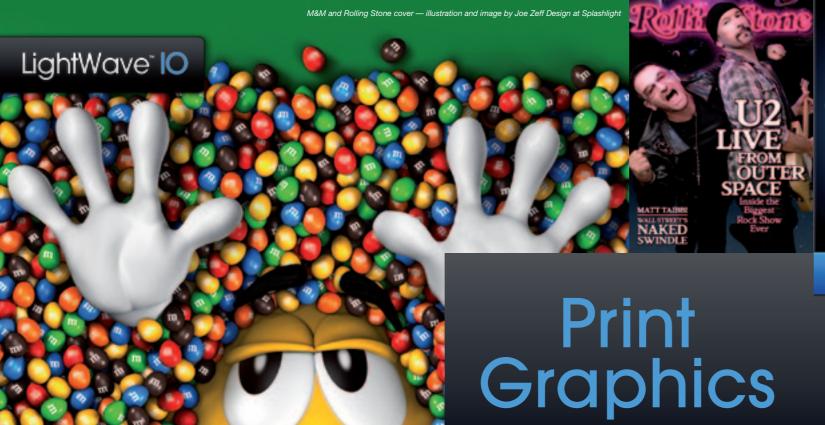
As an independent short filmmaker you want to see your vision onscreen without compromise. LightWave gives you the ability to control every aspect of your production, so you may realize your dreams on your own or with a small production team. From the visually striking, emotionally-charged short film *Urs*, to the kinetic, action-packed *THE RAVEN*, independent filmmakers find that LightWave delivers the perfect solution.

### Dream on it.

**LightWave 10** presents a virtual soundstage with real-world camera and lights, allowing you to create your universe and direct the action, all from an elegant interface. With a production-proven photoreal render engine, a time tested production workflow, 999 render nodes and free technical support, you can deliver your masterpiece on time and on budget.

"LIGHTWAVE WON ME OVER WITH ITS POWERFUL MODELING TOOLS AND REALLY FAST NAVIGATION. I LOVE TO DO CAMERAWORK IN IT, SINCE IT IS INCREDIBLY INTUITIVE AND FUN TO WORK WITH. THE SHADING SYSTEM AND RENDERING POSSIBILITIES ARE ABSOLUTELY FANTASTIC, MAKING LIGHTWAVE THE MOST RELIABLE TOOL IN MY PIPELINE." — MORITZ MAYERHOFER, ARTIST/DIRECTOR, URS





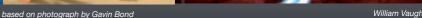
### Design on it.

LightWave is used for informational graphics and advertising in the high-pressure world of publishing, where deadlines are often hours long rather than days or weeks. With native support for both Windows® and Mac® included with each license, realworld camera and lighting effects, and a powerful render engine, LightWave delivers the speed and flexibility perfect for graphic design. LightWave visuals appear in publications the world over, in daily newspapers like the LA Times, New York Post and Wall Street Journal, and magazines like Fortune, Newsweek, Rolling Stone and Time.











Entertainment Weekly — images courtesy of Joe Zeff Design



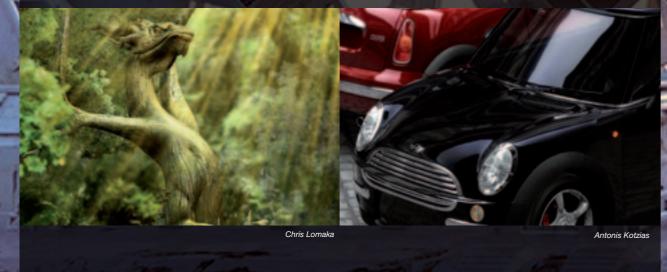




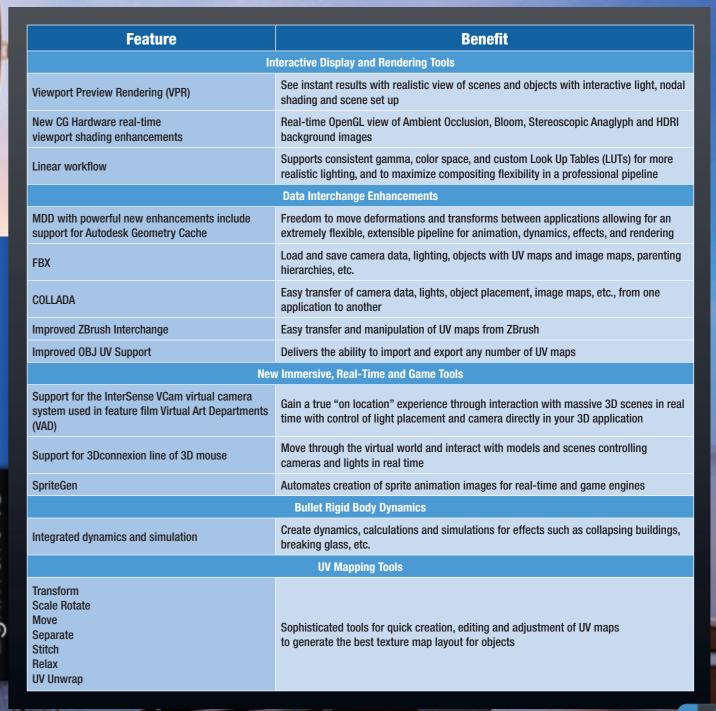
# LightWave IO Facts

Neal MacCormack

**LightWave 10** provides a motion-picture-quality render engine that supports Windows® 64 and 32-bit and Mac® UB 64 and 32-bit, and is a leader in multi-core technology support. In addition, LightWave offers free, 999 cross-platform render nodes, making it the highest quality, most affordable, and efficient render pipeline in the 3D market.



"MY CONFIDENCE IN LIGHTWAVE AND ITS RENDERING SPEED IS WHAT MADE ME FEEL LIKE IT WAS REALISTIC TO TACKLE 'ORDINARY WORLD' UNDER SUCH A TIGHT DEADLINE ... THERE IS NO OTHER SOFTWARE OUT THERE THAT CAN DO AS MUCH AS LIGHTWAVE." - JEREMY HUGHES, DIRECTOR, ELEVATE PICTURES







Model on it.
Animate on it.
Render on it.
Win on it.
Innovate on it.
Build on it.
Dream on it.
Design on it.
Count on it.

"IN LIGHTWAVE 10, VPR ALLOWS ME TO SEE THE COMPLEX CREATURE RIGGING DEFORMATIONS IN A BEAUTIFUL REAL TIME RENDER. IT'S INCREDIBLE TO BE ABLE TO WORK ON THE CHARACTER RIG AND GET THIS ADVANCED LEVEL OF VISUAL FEEDBACK! INTERACTIVE LIGHTING, PROCEDURAL TEXTURES, REFLECTIONS, TRANSPARENCY, RADIOSITY, IT'S ALL THERE!"

- LINO GRANDI, FEATURE FILM CREATURE RIGGING AND VISUAL EFFECTS SUPERVISOR

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LightWave **NewTek** You've read the brochure, now try LightWave 3D for yourself with our free 30-day trial version, 200MB of royalty-free content and over 24 hours of training here: www.lightwave3d.com/lwtrial

Cover Art — LightWave 10 Alien Emissary, Leigh Bamforth