Radiance Pro™ 4k60 Video Processor
See What the Director Intended ™

The Radiance Pro™ series of video processors enhance the award-winning Radiance video processor family by adding support for 4k60 inputs and outputs, including HDCP 2.2, HDR, Rec 2020. Winner of a *CEPro™ Best of 2015* award, the Radiance Pro has not stood still. It has had many significant improvements since then available to all Radiance Pro owners by updating with a free software update.

The Radiance Pro family offers up to eight inputs, and four outputs, plus a multitude of essential setup and calibration features. More than just an HDMI switcher, the Radiance Pro is considered by many experts to be an essential part of any quality home theater.

Inputs can be upgraded to 18 GHz (in pairs). Output cards can be upgraded from two 9 GHz outputs to one 18 GHz output plus one 9 GHz output. These upgrades are available at the time of purchase, or can be added in the filed using just a screw driver.

Scaling quality again comes to the forefront with the advent of 4k projectors and televisions. Lumagen's NoRing™ scaling provides the best quality scaling for 1080, 720, and SD, sources for 4k projectors and TVs. Unlike other scaling technology Lumagen's NoRing scaling does not add "halos" around edges caused by the ringing in other scaling algorithms.

Reference quality colorimetry is an often-overlooked part of a quality home theater. Automated audio room equalization has become commonplace. In a trained calibrator's hands the Radiance Pro can provide automated video equalization using third party calibration software, with more accuracy than the non 3D LUT based calibration employed by television and projector manufacturers. With the Radiance Pro's 4913-point 3D LUT based Color Management System you *See What the Director Intended™*.

Other important features include the best quality anamorphic screen support for HD and 4k UHD sources with or without an anamorphic lens. Internally calculated HDR10 and HLG Dynamic Tone Mapping (DTM), for the best quality HDR viewing on a projector or a TV. Precise geometry adjustments including size, masking, and vertical keystone correction are also available. The Radiance Pro's Non-Linear-Stretch (NLS) feature allows the user to modify HD 16:9 sources in a user customizable way to fill an anamorphic screen. For 16:9 screens and TVs, an anamorphic image can be placed anywhere in the active screen area. Multiple output configuration memories allow for features such as day and night optimization, and multiple displays and/or projectors in a single system.

The adaptability of the Radiance Pro is second to none. Using Field Programmable Gate Array (FPGA) technology, the Radiance Pro can add hardware image processing and setup features long after installation with a simple software update. Just as 3D video support was added to earlier Radiance models years after introduction, the Radiance Pro will be adding new features over time. One example is DTM which was added four years after product introduction, and which can be added to any Radiance Pro with a free software update. HDR content can even be viewed on older non-HDR displays and projectors using the Radiance Pro DTM. In addition, the Radiance Pro can split the video and audio. So, current 1080p AVR's and audio processors can be used with 4k sources.

Radiance Pro Models (9 GHz I/O is standard, and 18 GHz I/O can be added as an option):

Radiance Pro 4240: Two inputs, two outputs
Radiance Pro 4242: Four inputs, two outputs
Radiance Pro 4440: Two inputs, four outputs
Radiance Pro 4442: Four inputs, four outputs
Radiance Pro 4444: Six inputs, four outputs
Radiance Pro 4446: Eight inputs, four outputs

Radiance Pro 444X

Radiance Pro 424X

Key Features

- *Proprietary Lumagen NoRing™ scaling*
- *HDR10, and HLG, Dynamic Tone Mapping*
- *Tone Map HDR to an HDR, or non-HDR, TV/projector*
- *Supports Rec 2020 content using a Rec 709 TV/projector*
- *Anamorphic screen support for up to 4k sources with, or without, an anamorphic lens*
- *Programmable output aspect, size, and masking*
- *Vertical Keystone correction for 2D and 3D*
- *Darbee™ Digital Visual Presence (DVP™) enhancement technology for up to 1080p60 sources*
- *Inputs and outputs support HDCP 1.x and HDCP 2.2*
- *Base configurations have 9 GHz I/O. Optional 18 GHz.*
- *Up to eight 4k60 inputs, optionally at up to 18 GHz*
- *Up to two (424X), or four (444X), outputs (same image)*
- *Optionally up to one (424X), or two (444X), 18 GHz outputs, with matching number of audio outputs*
- *Modular I/O allows upgrading HDMI technology*
- *FPGA design for software upgrades with new video features and algorithm enhancements*
- *Supports processing of 2D and 3D sources*
- *All models have the same processing quality and features (except PiP/PoP will be in 444X only)*
- *PiP/PoP for 444X models (future update)*
- *Per-pixel SD/HD deinterlacing*
- *4913-point (17x17x17) 3D LUT based CMS*
- *21-point Parametric Grayscale calibration*
- *Optional dual 12V trigger outputs (444X only)*
- *Rack mountable with optional rack-ears*
- *High reliability external power supply*
- *One-year Limited Warranty*

Here is what customers are saying about Lumagen and the Radiance video processors:

"*Anyone who owns the Radiance will tell you how amazing it is. It does everything you've heard it does, and then some. It is the most important and most powerful piece of equipment in my setup.*" Dave - Madison, WI

"*The quality and the feature set of the Radiance product speak for themselves, but the Lumagen team's openness and readiness to listen to customer feedback and suggestions - and implement them quickly via free product updates - is the very definition of great customer service.*" Joel - U.K.

"*Lumagen not only produces the best video processors around (the Radiance in particular is a wonder to behold), their customer service and after sales care are second to none. This company is a marvel. If only every company in the AV industry performed to this standard!*" Tony - U.K.

"*The Lumagen Radiance is a marvelous piece of equipment. With its very clean scaling and extensive image calibration tools, it transforms the ho-hum picture on my low spec projector into an extremely compelling image.*" Paul - New Zealand

For details and availability email sales@lumagen.com

Lumagen

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