



Artisan

noun

ar·ti·san 'är-tə-zən

1: an expert distinguished by uncompromising dedication to their trade.

2: has both the creativity and the skill to make a functional and distinctive product ensuring the highest quality standards.

3: master craftsman of fine objects.

The Lumagen ARTISAN video processor renders the finest handcrafted in-motion video images. Made for filmmakers to preserve their vision and movie enthusiasts to see the image as the director intended.

ARTISAN 8K READY

Retail \$10,995 (USD)

Coming Fall 2025

UPGRADE OPTIONS with Software Key
Coming Q4 2025

ADD HDMI 2.1, 8K and 4K120
Input & Output Passthrough
Upgrade \$500 (USD)

ADD HDMI 2.1, 8K and 4K120
Input & Output Processing
Upgrade \$2000 (USD)

Lumagen, the master craftsman
of image science for 23+ years.

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ARTISAN™ 8K READY

brings AV image mastery into the home cinema. As a labor of love, we chose the finest components and designed our video processing algorithms to complement the artistic craft of the filmmaker.

The ARTISAN is a handcrafted and distinctive creation that authentically maintains the filmmaker's intent.

Completely New Design Integrates 8K HDMI Chips and a Higher Performance FPGA than the Radiance Pro™ Series, Adaptable to Incorporate New Features as Technologies Evolve

FEATURES:

- Fast Source Switching with 8 Inputs & 2 Outputs
- Supports HDMI 4K60 Input & Output HDMI 1.X, 2.0, with HDCP 1.X and 2.3, for Input & Output
- Upgrade Options with Software Key:
 - ADD HDMI 2.1, 8K and 4K120 Input & Output Passthrough
 - ADD HDMI 2.1, 8K and 4K120 Input & Output Processing
- 12-bit 4:4:4 Video Processing
- Automatic Aspect Ratio Detection and Selection
- Industry's Best Dynamic Tone Mapping for HDR Content with Accurate Color Rendition when compared to Studio Masters
- True Genlock:
 - Each Input Frame is Output Exactly Once
 - Optimal Lip Sync
 - Game Mode (3 mS video delay) with all Processing Enabled
- Programable Video Delay
- Compatible with Dolby® LLDV™
- Low Output Electrical Noise
- Ultra Low Output Jitter for Improved Audio Quality
- DARBEE Visual Presence™ enhancement for up to 4K60 sources
- Non-Linear-Stretch
- Directly Control Seymour Screen Excellence™ and Stewart Filmscreen® Screen Masking
- Interfaces with Theater Control Systems
- Additional Customization Features
- Housed in a 2U Rack Mountable Case
- Backlit Remote
- IP Control (coming feature)
- Free Software Updates Continue After Purchase
- 2 Years Limited Warranty, Extendable to 5 Years

Lumagen, the master craftsman of image science - See what the director intended™



ARTISAN™

A Lumagen 4K and 4K60 Video Processor (Upgradeable to 8K and 4K120)

Image science is our passion, and the ARTISAN allows viewers to See what the director intended™



Lumagen is adding to its 23+ year legacy of video processor development by continuing to enhance features and algorithms of their already highest quality in-motion image science-based processing. An evolution of Lumagen's previous commercial grade video processors, the ARTISAN continues to provide:

- *Award Winning In-Motion Image Video Processing & Proprietary Algorithms*
- *Ultra Low HDMI Output Jitter Before the Audio Processor for Improved Audio*
- *Ultimate Video Flexibility For Your Home Cinema*
- *Celebrated Feature Set*
- *Unparalleled Customer Service*

The ARTISAN is engineered & designed to be adaptable to incorporate new features as technologies evolve, providing industry professionals and movie enthusiasts the best image experience possible. Future proof your investment with a Lumagen.

Much more than an HDMI switcher, the ARTISAN has a host of features to improve the image on your screen and audio quality.

The ARTISAN 8K READY video processor supports up to 4K60 inputs and outputs (upgradeable to 8K and 4K120 inputs and outputs with optional Software Key), including HDCP 2.3, HDR10, and HLG, and is compatible with Dolby® LLDV™ sources. The ARTISAN video processor has eight inputs, two outputs, and a multitude of video processing, setup, and calibration features. Optimizing HDR content has perhaps become the most important video processing feature. The ARTISAN integrates and will continue to improve upon Lumagen Dynamic Tone Mapping (DTM) which analyzes multiple regions of every frame of content, detects scene changes, and optimizes the image for each frame of content. Jon Thompson, a movie producer who is responsible for post-production image quality at a major studio, recently evaluated the Lumagen DTM versus the other options. He stated that "the other DTM options are not even in the same league as the Lumagen."

Scaling quality again comes to the forefront with 8K projectors and televisions. It should be intuitively obvious that home cinema scaling must be evaluated at viewing distance using actual moving image video content. The Tektronix PQA600C quantitative image analysis program is used by major studios and broadcast networks and includes 30 years of development by perception physicists. It includes viewing distance in its evaluation of scaling. The ARTISAN builds on and will continue to improve the Radiance Pro series which has the industry's best motion picture scaling and scores more than 20% higher than the competition using the Tektronix analysis software. Lumagen's scaling provides the best quality scaling for 4K, 1080, 720, and SD, and with the ARTISAN sources for 8K projectors and TVs. Scaling is also essential for aspect-ratio control, especially when using an anamorphic lens.

In addition, the ARTISAN has an edge-sharpening feature that helps restore detail lost during compression of the digital content.

The ARTISAN uses circuitry to reduce HDMI output clock jitter. Minimizing signal jitter is an extremely important criteria for HDMI and the ARTISAN will produce an optimal clock to send to the audio processor to minimize jitter at the DACs. Reduced jitter at the DACs reduces distortion and significantly improves audio.

Other features include image-based instant-auto-aspect detection and selection for HD, 3D, and 4K UHD and HDR sources. Anamorphic support with, or without, an anamorphic lens. Image based auto-aspect selection, plus precise geometry adjustments including size, and masking, are available. The ARTISAN's Non-Linear-Stretch (NLS) feature allows the user to stretch 16:9 content to fill an anamorphic screen using their preferred settings. For 16:9 screens and TVs, an anamorphic image can be placed anywhere in the active screen area, or with zoom, and/or cropping, can fill a larger portion of the screen. Multiple configuration memories allow for different independent configurations, such as day, night, sports, and black-and-white.

The adaptability of the ARTISAN is second to none. Using Field Programmable Gate Array (FPGA) technology, the ARTISAN can add hardware image processing and setup features years after installation.

Key Features

- Proprietary Lumagen NoRing™ scaling
- HDR10, and HLG, Dynamic Tone Mapping
- Compatible with Dolby® LLDV™
- Image based source instant auto-aspect selection
- Desaturates Rec 2020 content for 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
- DARBEE Visual Presence™ enhancement for up to 4K60 sources
- Inputs and outputs support HDCP 1.X and HDCP 2.3
- Supports processing of 2D, and 3D, sources
- Eight 4K60 inputs and Two 4K60 outputs (upgradeable to 8K60 plus 4K120 inputs and outputs)
- FPGA design allows for software upgrades with new video features and algorithms
- Per-pixel SD/HD deinterlacing
- 4913-point (17x17x17) 3D LUT based CMS
- 21-point Parametric Grayscale calibration
- Directly control Seymour Screen Excellence™ and Stewart Filmscreen® screen masking
- IP Control (coming feature)
- Rack-mountable
- Less than 60 Watts
- Two-year Limited Warranty
- Optionally extend Limited Warranty to 5 years