Optoma

4K ULTRA HD

Transform Your Big Screen Home Cinema Experience
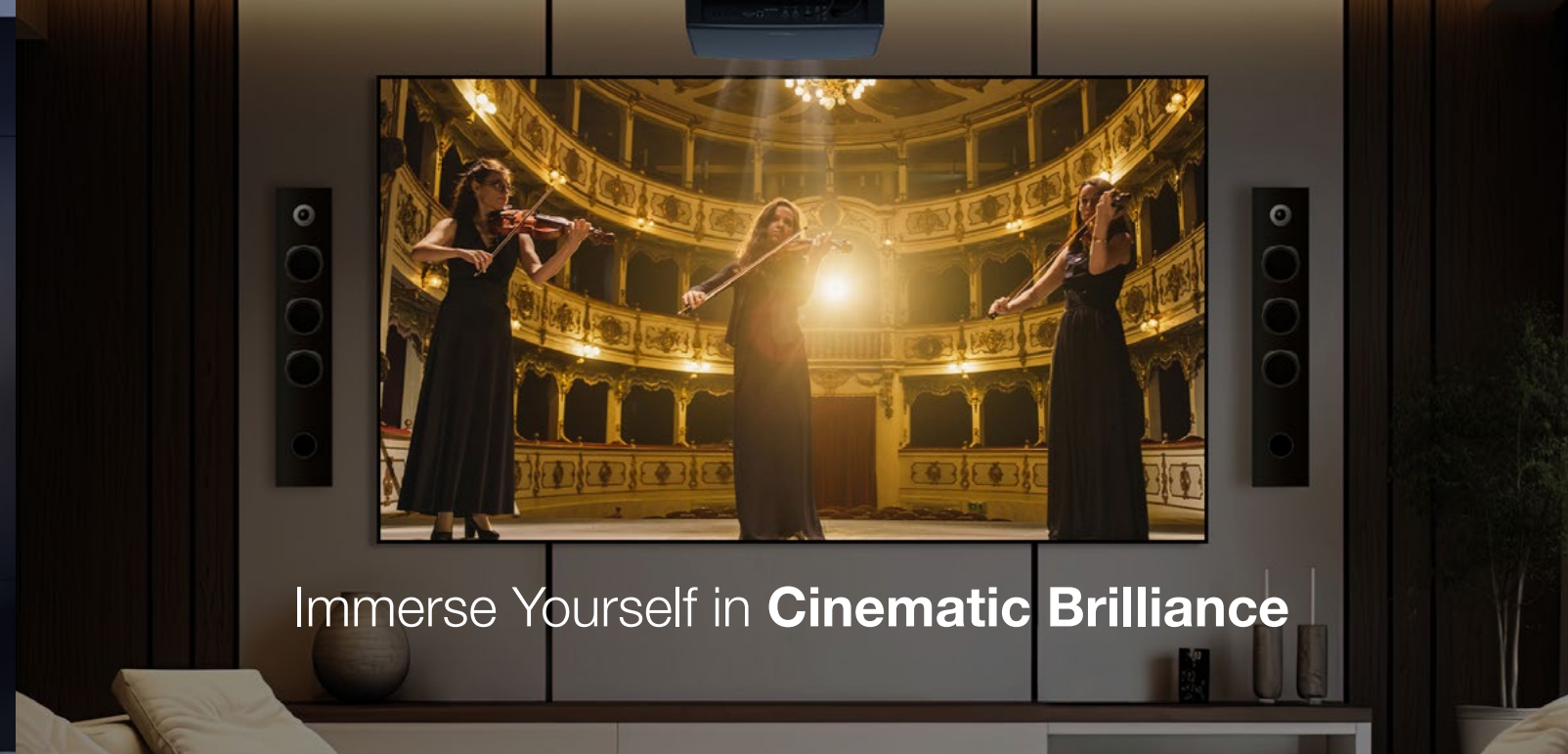
wisa | SOUNDSEND certified   HDR10+   Dolby VISION   FILMMAKER MODE

HCPro-4400
4K UHD Dual Laser Home Cinema

Immerse yourself in captivating visuals with our cutting-edge
4K UHD projector, powered by Dolby Vision® technology

No. 1 DLP LASER

Stunning **4K UHD Visuals** with Unmatched Clarity and **Color Precision**

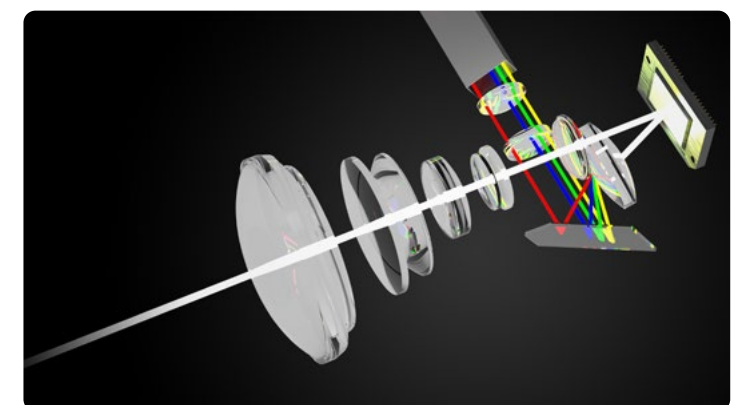## Immerse Yourself in **Cinematic Brilliance**

Powered by Dolby Vision® and HDR10+

Dolby Vision® optimizes each frame of content, elevating your cinema experience by delivering remarkable brightness, contrast, and color to bring cinematic experiences to life. Enhance your content with HDR10+ which improves dynamic range and color precision, providing greater visual detail and depth.

Crystal Clear and Vibrant Visuals with 4K UHD Dual Laser (Red + Blue)

Elevate your home cinema with the future-proof brilliance of 4K UHD dual laser projection. HCPro-4400 combines vivid color accuracy, sharper resolution, instant startup and shutdown, eliminating lamp replacements for a long-lasting and reliable cinematic experience.

Watch Movies and TV Shows the Way the Filmmakers Intended*

FILMMAKER MODE™ technology on supported UHD projectors preserves the director's creative intent by maintaining accurate colors, contrast, and gamma, ensuring that every scene is displayed as originally envisioned. Immerse yourself in a true cinematic experience, where the artistry of film comes to life in your home theater with 5,000 lumens* of high brightness.
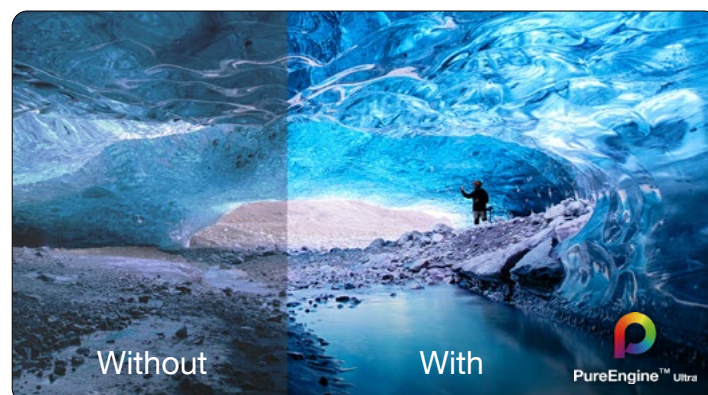
Elevate Your Audio Experience with WiSA and eARC

eARC (Enhanced Audio Return Channel) delivers mind-blowing advanced audio such as Dolby ATMOS multi-channel object-based audio to your soundbar or AVR, placing you directly in the center of the action. The HCPro-4400 is WiSA SoundSend Certified, ensuring seamless compatibility with the WiSA SoundSend wireless audio transmitter which instantly upgrades any home theater setup delivering picture-perfect, synchronized surround sound.

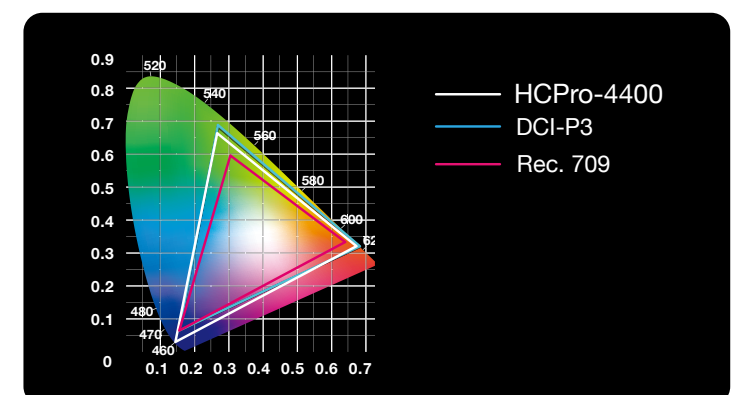### Experience Optoma's Visual Enhancement with PureEngine™ Ultra

Expertly crafted by our color specialists, PureEngine Ultra enhances color saturation, luminance, and contrast for a truly vibrant experience. PureMotion advanced frame-interpolation technology, combined with motion control processing, eliminates blurring and image judder, ensuring smooth, crystal-clear visuals even during fast-paced action.

True-to-Life Color Reproduction with DCI-P3 Wide Color Gamut and ISF Modes

Delivering 100% Rec.709 and featuring a wide color gamut mode with 95% DCI-P3 coverage, to ensure accurate and lifelike colors. Whether you're watching movies or playing games, the HCPro-4400 brings brilliant hues and deeper blacks to your projected image.

Calibration ready with ISF display modes, experienced customers can adjust the projectors' image quality for an optimal viewing experience in various lighting conditions.

Without   With

*FILMMAKER MODE™ technology will be available in Q3 2025
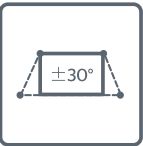*Brightness measured in accordance with ISO 21118

Effortlessly Easy to Use

Enjoy **Hassle-Free Installation** with a Wealth of **Flexible Features** and Start Experiencing **Cinematic Entertainment** in No Time.
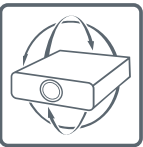
Enjoy Hassle-Free Setup

The HCPro-4400 features easy-to-use geometric correction features such as Vertical and Horizontal Keystone, Four Corner Correction, and 3x3 Warping for complicated projection surfaces.

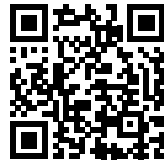### Set Up Projector in Any Space

A robust Throw Ratio and 1.6x zoom allows installation of the projector in various room sizes in desktop or ceiling orientation without compromising image quality.
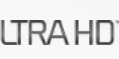
Vertical and Horizonal Lens Shift

Eliminate alignment challenges during installation by adjusting the projected image with Vertical and Horizontal Lens Shift.

Product Specifications

Category	Spec	Value
Display/image	Display technology	DLP™
	Resolution	4K UHD (3840x2160)
	DMD	TI 0.65" ECD S450 HSSI
	Brightness	5,000 lumens*
	Contrast ratio	3,200,000:1 (Dynamic Black on)
	Native aspect ratio	16:9
	Aspect ratio - support	4:3, 16:9, V-Stretch, Full, 21:9, 32:9, Native, Auto
	Horizontal scan rate	15~255KHz
	Vertical scan rate	24~240Hz, 240Hz for 1080p
	Uniformity	85%
	Screen size	80" ~ 300"
Light Source	Light source type	Dual Laser
	Light source life	30,000 hours (Eco mode)
Optical	Throw ratio	1.2~1.92
	Projection distance	6.9'@80" - 41.8'@300"
	Zoom	1.6X
	Zoom type	Manual
	Focal length (mm)	17.63~27.9mm
	Lens shift	V: 106% ~ 126% ±3% H: -10% ~ +10% ±3%
	Native offset	126% ±5%
Connectivity	Connections	HDMI 2.0 x 2; HDMI 2.1 x 1, USB-A x 3 (WiFi Adapter, Media Player/File Manager, Power), 12V trigger x 2, S/PDIF x 1, RJ45 LAN port x 1, RS232, 3D sync x 1, Audio out x 1
General	Noise level (min)	25dB (Eco mode)
	Noise level (max)	31dB (Bright mode)
	PC compatibility	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, FHD, WQHD, UHD, Mac
	2D compatibility	480p(60Hz), 576p(50Hz), 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60/120/240Hz), 2160p(24/30/50/60/120Hz)
	3D compatibility	Frame packing: 1080p(24Hz), 720p(50/60Hz) Side-By-Side(Half): 1080i50/60 Top-and-Bottom: 1080p24, 720p50/60 Frame Sequential: 1024X768(120Hz), 1280X720(120Hz), 1920X1080(120Hz)
	3D	Supported (DLP link 3D/IR 3D, HDMI 1.4a mandatory 3D timing), RF 3D via 3D Sync Port
	Security	Security bar, Kensington Lock, Password protected interface
	OSD / display languages	27 languages: English, Arabic, Czech, Danish, Dutch, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romania, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese
	Operating conditions	Max Temperature(operating): 0 ~ 40°C; Tolerance +/- 2°C, Max Altitude(operating): 10,000 ft., for 0°C~30°C, Max Humidity(operating): 80% RH, non-condensing
	Enhanced gaming	ALLM (Auto Low Latency Mode) and Low Latency Mode: 40K60@23ms, 1080p240@8.45ms, 1080p120@16ms, 1080p60@24ms Ultra Low Latency Mod e: 4K60@20ms, 1080p240@8.4ms, 1080p120@12.5ms, 1080p60@20ms
	Remote control	Backlit home remote
	Speaker count	2
	Watts per speaker	5W x 2 (Driver output 4W x 2, stereo)
	HDR / advanced image settings	Dolby Vision, HDR10+, HDR10
	Color gamut coverage	DCI-P3 Coverage = 95%, REC.709 Coverage = 100%
	Bit depth	8-bit, 10-bit, 12-bit
	Color space	YUV, RGB, RGB Limited
	Color gamut	Native, DCI-P3, REC.709
	PureEngine Ultra	PureContrast, PureLight, PureColor, PureMotion (MEMC), PureDetail
	Advanced color controls	11-Point RGB Balance, CMS (Color Management System), RGB Gain/Bias
	Picture modes	Vivid, HDR, HLG, Cinema, Game, Reference, WCG, Bright, Dolby Vision Bright, Dolby Vision Dark, Dolby Vision Vivid, HDR10+, AI-PQ, 3D, ISF Day, ISF Night, ISF Day HDR, ISF Night HDR, Filmmaker
	Screen Sharing & File Management Apps	Display Share, Optoma File Manager
	In the box	AC power cord, Remote control, 1x CR2025, Quick start user manual
Networking	LAN - control	Yes
Power	Power supply	100 ~ 240V, 50 ~ 60Hz
	Power consumption (standby)	≤0.5W
	Power consumption (ECO mode)	Eco Mode: Typ. 160W / Max. 190W
	Power consumption (Bright mode)	Bright Mode: Typ. 295W / Max. 345W
Weight and dimensions	Dimensions (W x D x H)	19.6" x 13" x 6.7"
	Projector weight	19.2lbs
	UPC	796435 81 571 4

Optoma is a visual solutions provider that has delivered stunning experiences to millions of people since 2000. For the last two decades, we have grown our business to become one of the world's leading large display brands. We have demonstrated our capabilities as a first-mover, innovator, and market leader, and firmly established our position as the world's leading 4K UHD projector and DLP® brand.

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