



4K LCOS PROJECTOR 4K501ST

Markets/Applications recommended for:

- Simulation and Training
- Museums and Galleries
- Design and Engineering
- Higher Education
- Corporate
- Houses of Worship
- Medical Education and Training
- Film and TV
- Government
- Rental and Staging



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4K RESOLUTION IN A COMPACT AND FLEXIBLE PACKAGE

The REALiS 4K501ST Pro AV LCOS Projector brings true-to-life 4K resolution to the top of Canon's LCOS projector line. A high level of detail and clarity is achieved by combining Canon's LCOS Technology with AISYS-enhancement, as well as a Genuine Canon 4K Lens, all within a compact and lightweight design. All of this as well as two HDMI 2.0 inputs provide versatile connectivity that make the 4K501ST ideal for a variety of applications that demand highly detailed, realistic images and video, from simulation and training to museums and galleries.

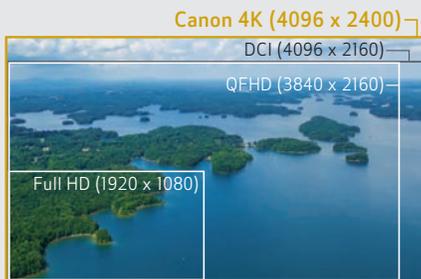


HDMI™ 2.0

KEY FEATURES

- 4K Resolution (4096 x 2400)
- 5000 Lumens*
- Throw Ratio 1.0 – 1.3:1
- LCOS Technology with AISYS-enhancement
- Genuine Canon 4K Lens
- Marginal Focus for Projecting on Spherically Domed Surfaces
- Dual Image Processing Engines for Uncompressed 4K 60p Playback
- Advanced Professional Installation and Calibration Settings
- HDMI 2.0 x2, DVI-D x4
- Crestron Room View, AMX Device Discovery and PjLink
- DICOM® Simulation Mode**

NATIVE 4K RESOLUTION (4096 X 2400)



At 4096 x 2400, Canon's 4K resolution generates a bigger, richer picture made up of more than 9.8 million pixels – higher than the Digital Cinema Initiative (DCI) standard for 4K cinema (4096 x 2160) and more than QFHD (3840 x 2160), the resolution standard for 4K TV.

MARGINAL FOCUS



The Marginal Focus feature helps to ensure that images projected onto a spherically domed surface are kept in focus right up to the very edges.

*When in Presentation Mode and lamp is set to Full Power Mode.

** The REALiS 4K501ST is not cleared or approved for medical diagnosis and should not be used for these purposes.

SPECIFICATIONS

PROJECTION SYSTEM

Imaging Device	0.76" LCOS Panel x3
Aspect Ratio	17:10 Approx. (128:75)
Native Resolution	4096 x 2400
Brightness^{1,2,3}	5000 Lumens (Full Power) / 3750 Lumens (Power Saver)
Contrast³	3000:1 (Native)
Image Size	40 – 600"
Digital Keystone	V±20°, H±20°
F Number, Focal Length	F2.6, f=17.2 – 22.3mm
Uniformity	88%
Zoom Ratio	1.3x
Throw Ratio⁴	1.0 – 1.3:1
Focus	Powered
Lens Shift	V: ±60%, H: ±10% (Powered)

IMAGE ADJUSTMENTS

Image Mode	Standard / Presentation / Dynamic / Photo/sRGB / Video / DICOM SIM / User 1 / User 2 / User 3
Color Adjustment	Color Level, Color Balance, Color Temperature, Gain (R,G,B), Offset (R,G,B)
Screen Color Correction	Normal / Greenboard / Adjust (custom)
Mounting	Front, Rear, Ceiling, Upward, Downward
Adjustable Feet	Four locations at bottom. Extension length = 0.47"

TERMINALS

DVI-D	Digital PC Input (x4)
HDMI	Digital PC / Digital Video Input (x2)
RJ-45	Network Connection (1000BASE-T / 100BASE-TX / 10BASE-T)
Dsub9 (Control)	RS-232C Connection
USB Type A	USB Connection
Mini Jack (Audio)	Audio Input (x1) / Audio Output (x1)
Mini Jack (Remote)	Wired Remote Control Connection

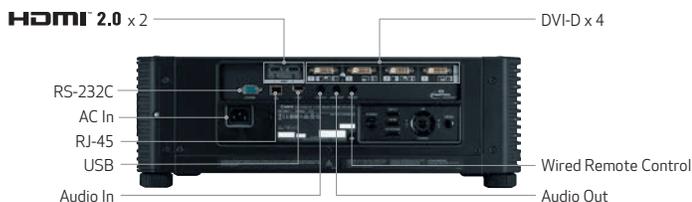
REMOTE CONTROL

Wireless Remote	Yes
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DIMENSIONS



CONNECTABILITY



¹ When in Presentation Mode. ² Lamp mode is Full Power/Power Saver. Brightness in Power Saver Mode is only a calculated value, and is not guaranteed as specification. ³ Compliance with ISO21118-2012. ⁴ Calculated value for 70" image. ⁵ EDID is not supported. ⁶ Supported when "Panel drive mode" is set to "4096 x 2400." ⁷ Only low frequencies (24 – 30 Hz) are supported. ⁸ 594.00MHz dot clock is only supported via single HDMI terminal. ⁹ Network "On" (Low Power)/"Off."

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4K501ST	ITEM CODE: 1639C002	UPC CODE: 13803281415
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IMAGE SIGNALS

Scanning Frequency	H: 18.000 kHz – 149.096 kHz, V: 23.956 Hz – 60.000 Hz
HDMI (Single)	4096 x 2160 / 3840 x 2160 / 2560 x 1600 / 2560 x 1440 / 2048 x 1200 / 1920 x 1200 / 2560 x 1080 / 2048 x 1080 / 1920 x 1080 / 1280 x 1024 / 1440 x 900 / 1366 x 768 / 1024 x 768 / 1280 x 720 / 800 x 600 / 720 x 576 / 720 x 480 / 640 x 480
HDMI (1 x 2)	3840 x 2400 ^{5,6} / 3200 x 2400 ⁶ / 4096 x 2160 / 3840 x 2160 / 2560 x 1600 / 3840 x 1080 / 2560 x 720 / 1440 x 576 / 1440 x 480 / 1280 x 480
DVI-D (Single)	4096 x 2160 ^{5,7} / 3840 x 2160 ⁷ / 2560 x 1440 / 2048 x 1200 / 1920 x 1200 / 2560 x 1080 / 2048 x 1080 / 1920 x 1080 / 1280 x 1024 / 1440 x 900 / 1366 x 768 / 1024 x 768 / 1280 x 720 / 800 x 600 / 640 x 480
DVI-D (1 x 2)	4096 x 2160 ⁷ / 3840 x 2160 ⁷ / 2560 x 1600 / 2560 x 1440 / 2560 x 1080
DVI-D (2 x 2)	4096 x 2400 ⁶ / 3840 x 2400 ⁶ / 3200 x 2400 ⁶ / 4096 x 2304 ⁶ / 4096 x 2160 / 3840 x 2160
DVI-D (1 x 4)	4096 x 2400 ⁶ / 4096 x 2304 ⁶ / 4096 x 2160 / 3840 x 2400 ⁶ / 3840 x 2160
Dot Clock	594.00 MHz (Maximum) ⁸

BUILT-IN SOUND

Internal Speaker	5W, Monaural
LAMP	
Type	Super High Pressure Lamp
Life²	3000 Hours (Full Power) / 4000 Hours (Eco)
Lamp Power²	400 / 300W

RATINGS

Fan Noise²	39 / 34dB
Power Consumption²	600 / 475W
Standby Power⁹	0.8 / 0.4W
Power Voltage	AC 100 – 240V, 50 / 60 Hz
Operating Temperature	32°F – 104°F (0°C – 40°C, 20%RH – 85%RH)
Storage Temperature	-4°F – 140°F (-20°C – 60°C)
Dimensions (W x H x D)	18.5" x 6.9" x 21"
Weight	39.6 lbs.

WHAT'S IN THE BOX

- Projector
- Lens Cap
- Power Cord
- Projector Remote Control RS-RC05 (includes two AA batteries)
- Important Information (book)
- User's Manual (CD-ROM)
- Warranty Card

ACCESSORIES

ITEM	ITEM CODE
Remote Control RS-RC04	4970B001
Projector Remote Control RS-RC05 (same as supplied)	5750B001
Replacement Lamp & Air Filter RS-LP10F	1286C001
Replacement Air Filter RS-FL03	0963C001
Ceiling Attachment RS-CL15	0964C001
Ceiling Pipe (400 – 600mm) RS-CL08	3096B001
Ceiling Pipe (600 – 1000mm) RS-CL09	3097B001