



FIXED LENS LCOS PROJECTOR 4K500ST

Markets/Applications recommended for:

- Simulation and Training
- Museums and Galleries
- Design and Engineering
- Higher Education
- Corporate
- Houses of Worship
- Medical Education and Training



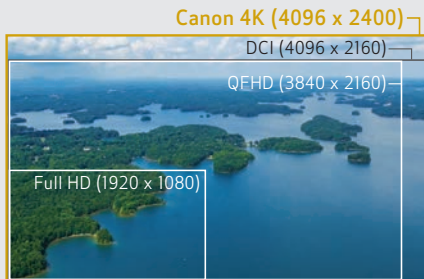
PROJECTORS.USA.CANON.COM

4K RESOLUTION IN A COMPACT AND FLEXIBLE PACKAGE

The REALiS 4K500ST Pro AV LCOS Projector brings true-to-life 4K resolution to the top of Canon's LCOS projector line. It combines Canon's LCOS Technology with AISYS-enhancement, and advanced Genuine Canon optics, to set a new standard in detail and clarity within a compact and lightweight design. Ideal for a variety of applications that demand highly detailed, precise images from simulation and training to museums and galleries, it provides images and video that closely replicate real world experiences.

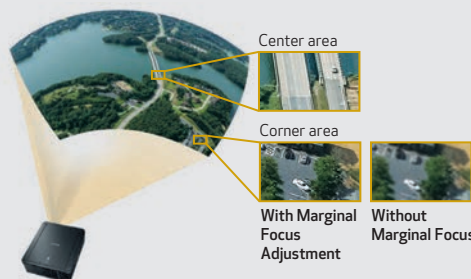


NATIVE 4K RESOLUTION (4096 X 2400)



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.

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 x2, DVI-D x4
- Crestron Room View, AMX Device Discovery and PLink
- DICOM® Simulation Mode**

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

** The REALiS 4K500ST 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)
Contrast ³	3000:1 (Full white, full black; Presentation Mode)
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 Ratio ⁴	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	360° projection
Adjustable Feet	Four locations at bottom. Extension length = 0.47"

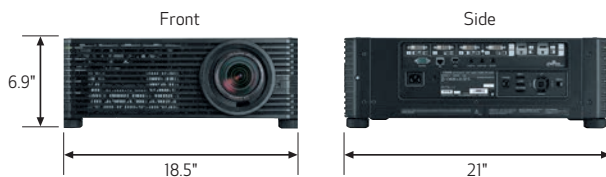
TERMINALS

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

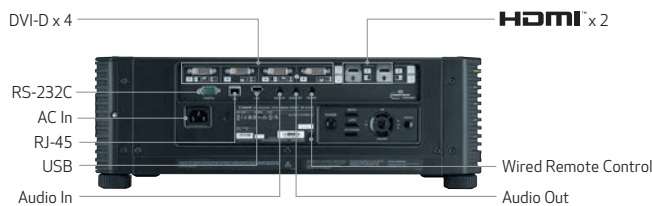
REMOTE CONTROL

Wireless Remote	Yes
-----------------	-----

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 Only low frequencies (24 – 30 Hz) are supported. ⁶ EDID is not supported. ⁷ Supported when "Panel drive mode" is set to "4096 x 2400." ⁸ DVI-D is classified as single-link or dual-link, depending on the dot clock. Projector resolutions with a dot clock higher than 165MHz requires a dual-link plug and cable.

© 2016 Canon U.S.A., Inc. All rights reserved. Not responsible for typographical errors. Specifications subject to change without notice. Products not shown to scale. Certain images and effects are simulated. Canon and REALiS are registered trademarks of Canon Inc. in the United States and may also be trademarks or registered trademarks in other countries. DICOM is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information. HDMI, the HDMI logo and High-Definition Multimedia Interface are registered trademarks or trademarks of HDMI Licensing, LLC in the United States and/or other countries. All other products and brand names may be registered trademarks, trademarks or service marks of their respective owners in the United States and/or other countries.

4K500ST	ITEM CODE: 0961C002	UPC CODE: 013803266467
---------	---------------------	------------------------

IMAGE SIGNALS

Scanning Frequency	H: 18.000 kHz – 149.096 kHz, V: 23.956 Hz – 60.000 Hz
HDMI (Single)	4096 x 2160 ⁵ / 3840 x 2160 ⁵ / 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 ^{6,7} / 3200 x 2400 ⁷ / 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 (Single)	4096 x 2160 ^{5,6} / 3840 x 2160 ^{5,6} / 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 (1 x 2)	4096 x 2160 ⁵ / 3840 x 2160 ⁵ / 2560 x 1600 / 2560 x 1440 / 2560 x 1080
DVI (2 x 2)	4096 x 2400 ⁷ / 3840 x 2400 ⁷ / 3200 x 2400 ⁷ / 4096 x 2304 ⁵ / 4096 x 2160 / 3840 x 2160
DVI (1 x 4)	3840 x 2400 ⁷ / 3200 x 2400 ⁷ / 4096 x 2304 ⁵ / 4096 x 2160 / 3840 x 2160
Dot Clock	297.00 MHz (Maximum) ⁸

BUILT-IN SOUND

Internal Speaker	5W, Monaural
------------------	--------------

LAMP

Type	250-NSHA
Life ²	3000 Hours (Full Power) / 4000 Hours (Eco)
Lamp Power ²	400 / 300W

RATINGS

Fan Noise ²	39 / 34dB
Power Consumption ²	600 / 470W
Standby Power ⁵	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	14°F – 140°F (-10°C – 60°C)
Dimensions (W x H x D)	18.5" x 6.9" x 21"
Weight ⁷	38.8 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