Canon
SEE IMPOSSIBLE

REALiS

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**

4K RESOLUTION. COMPACT SIZE.

AISYS Aspectual Illumination System

HDMI™ 2.0

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.
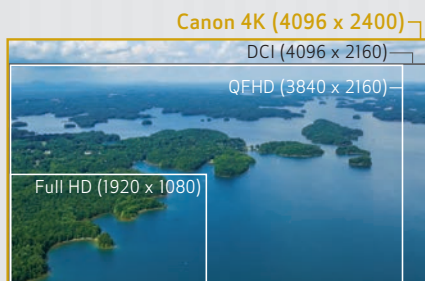
NATIVE 4K RESOLUTION (4096 X 2400)

Canon 4K (4096 x 2400)
DCI (4096 x 2160)
QFHD (3840 x 2160)
Full HD (1920 x 1080)

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

Center area

Corner area

With Marginal Focus Adjustment

Without 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 2.0 x2, DVI-D x4**
- **Crestron Room View, AMX Device Discovery and PJLink**
- **DICOM® Simulation Mode****

*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

4K501ST	ITEM CODE: **1639C002**	UPC CODE: **13803281415**

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 (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 Ratio [4]	1.0 – 1.3:1
Focus	Powered
Lens Shift	V: ±60%, H: ±10% (Powered)

IMAGE ADJUSTMENTS

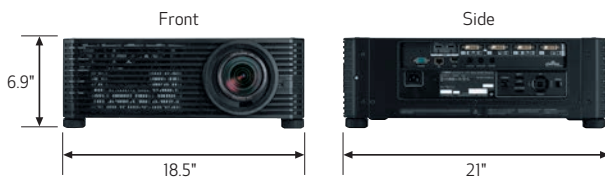|	
Image Mode	Standard / Presentation / Dynamic / Photo/sRGB / Video / DICOM SIM / User 1 / User 2 / User 3
Color Adjustment	Color Level, Color Balance, Color Temperature, Gain (R,G,B), Offset (R,G,B)
Screen Color Correction	Normal / Greenboard / Adjust (custom)
Mounting	Front, Rear, Ceiling, Upward,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

TERMINALS

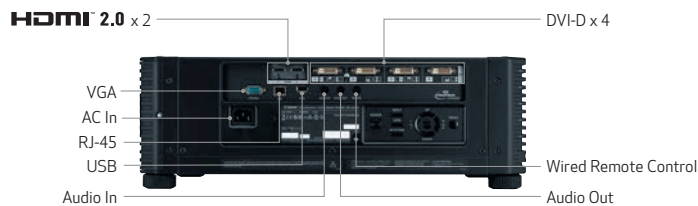|	
DVI-D	Digital PC Input (x4)
HDMI	Digital PC / Digital Video Input (x2)
RJ-45	Network Connection (1000BASE-T / 100BASE-TX / 10BASE-T)
Dsub9 (Control)	RS-232C Connection
USB Type A	USB Connection
Mini Jack (Audio)	Audio Input (x1) / Audio Output (x1)
Mini Jack (Remote)	Wired Remote Control Connection

REMOTE CONTROL

Wireless Remote	Yes

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
Life [2]	3000 Hours (Full Power) / 4000 Hours (Eco)
Lamp Power [2]	400 / 300W

RATINGS

Fan Noise [2]	39 / 34dB
Power Consumption [2]	600 / 475W
Standby Power [9]	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.

DIMENSIONS

Front
Side

6.9"
18.5"
21"

CONNECTABILITY

HDMI 2.0 x 2
DVI-D x 4
VGA
AC In
RJ-45
USB
Audio In
Wired Remote Control
Audio Out

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

[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."