



REALiS

4K LASER LCOS PROJECTOR 4K600Z[◇]



PROJECTORS.USA.CANON.COM

Markets/Applications recommended for:

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



4K RESOLUTION AND LASER LIGHT SOURCE FOR SUPERB PERFORMANCE

The REALiS 4K600Z Projector is a powerful yet compact 4K projector with a laser light source. It utilizes LCOS technology with Canon's advanced AISYS optical system, and combines it with a high brightness of 6000 lumens and dynamic contrast ratio of up to 10,000:1 to produce a detail-rich native 4K resolution of 4096 x 2400. A standard zoom lens (throw ratio 1.3-2.4:1) with a high magnification zoom and minimal distortion provides flexibility for a variety of set-ups. The REALiS 4K600Z's high performance, virtually maintenance-free operation and compact, lightweight design make it ideal for simulation and training to museums and galleries and more.

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.

LASER LIGHT SOURCE FOR BRILLIANT COLORS AND LOWER TOTAL COST OF OWNERSHIP

LASER

UP TO 20,000 HOURS OR MORE

The projector's laser light source provides up to 20,000* hours or more of continuous, reliable projection with true-to-life colors. The total cost of ownership is greatly reduced when compared to conventional lamp projectors as there is no lamp to replace.

4K
4096 x 2400

LASER UP TO 20,000 HOURS **COMPACT**

HDMI 2.0a

WiFi CERTIFIED

AISYS
Advanced Illumination System

KEY FEATURES

- 4K Resolution (4096 x 2400)
- Laser Light Source with up to 20,000* or More Hours (Lower Total Cost of Ownership)
- 6000 Lumens**
- Genuine Canon 4K Standard Zoom Lens, Throw Ratio 1.3 – 2.4:1
- Up to 10,000:1 Dynamic Contrast Ratio and up to 4000:1 Native Contrast Ratio***
- Marginal Focus for Projecting on Spherically Domed Surfaces
- LCOS Technology with AISYS-enhancement
- Dual Image Processing Engines for Uncompressed 4K 60p Playback

* This is an estimated value, actual hours may vary depending on usage and environment. This is not a guarantee of the life span of individual laser diodes.

** When in Presentation Mode.

*** When Iris function is set to "Close 3."

[◇] This model is also available without Wi-Fi* as the 4K601Z. To learn more, contact your sales representative.

SPECIFICATIONS

| PROJECTION SYSTEM | |
|------------------------|--|
| Imaging Device | 0.76" LCOS Panel x3 |
| Aspect Ratio | 17:10 Approx. (128:75) |
| Native Resolution | 4096 x 2400 |
| Brightness | 6000 ¹ / 4560 / 2400 Lumens ² |
| Contrast | 10,000:1 (Dynamic Contrast function) / 4000:1 (Native) (all white: all black) ³ |
| Image Size | 40 – 600" (4096 x 2400) |
| Digital Keystone | V: ±20°, H: ±20° |
| F Number, Focal Length | F2.6 – 2.75, f=22.7 – 39.8mm |
| Uniformity | 80% |
| Zoom Ratio | 1.76x |
| Throw Ratio | 1.3 – 2.4:1 |
| 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 | Omnidirectional ⁴ |
| Adjustable Feet | Four locations at bottom. Extension length = 0.59" |

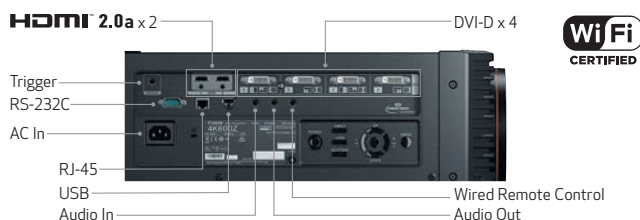
| TERMINALS | |
|---------------------|---|
| DVI-D | Digital PC Input (x4) |
| HDMI 2.0a | Digital PC / Digital Video Input (x2) |
| RJ-45 | Network Connection (1000BASE-T / 100BASE-TX / 10BASE-T) |
| Dsub9 (Control) | RS-232C Connection |
| USB Type A | USB Connection |
| Wi-Fi* | IEEE 802.11b, IEEE 802.11g, IEEE 802.11n |
| Mini Jack (Audio) | Audio Input (x1), Audio Output (x1) |
| Mini Jack (Remote) | Wired Remote Control Connection |
| Mini Jack (Trigger) | DC 12V Output |

| REMOTE CONTROL | |
|-----------------|----------|
| Wireless Remote | Infrared |

DIMENSIONS



CONNECTABILITY



¹ When in Presentation Mode. ² There are three light modes: Normal, Quiet 1 and Quiet 2. The luminance values for modes other than Normal are calculated and are not guaranteed as specifications. ³ When Iris function is set to "Close 3." ⁴ Air vents should not be blocked. See User Manual for recommended installation. ⁵ Supported when "Panel drive mode" is set to "4096 x 2400." ⁶ Only low frequencies (24Hz – 30Hz) are supported. ⁷ EDID is not supported. ⁸ This is an estimated value, actual hours may vary depending on usage and environment. This is not a guarantee of the life span of individual laser diodes. ⁹ Network "ON", Standby power setting "Low-power" / Network "OFF." ¹⁰ RS-CL15 and RS-CL17 are used together to mount the 4K600Z on a ceiling.

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| | | |
|--------|---------------------|------------------------|
| 4K600Z | ITEM CODE: 2423C002 | UPC CODE: 013803296358 |
|--------|---------------------|------------------------|

| IMAGE SIGNALS | |
|--------------------|---|
| Scanning Frequency | H: 18.000kHz – 149.970kHz, V: 23.956Hz – 60.000Hz |
| HDMI 2.0a (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 2.0a (1 x 2) | 3840 x 2400 ^{5,7} / 3200 x 2400 ⁵ / 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 ^{6,7} / 3840 x 2160 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-D (1 x 2) | 4096 x 2160 ⁶ / 3840 x 2160 ⁶ / 2560 x 1600 / 2560 x 1440 / 2560 x 1080 |
| DVI-D (2 x 2) | 4096 x 2400 ⁵ / 3840 x 2400 ⁵ / 3200 x 2400 ⁵ / 4096 x 2304 ⁵ / 4096 x 2160 / 3840 x 2160 |
| DVI-D (1 x 4) | 4096 x 2400 ⁵ / 3840 x 2400 ⁵ / 4096 x 2304 ⁵ / 4096 x 2160 / 3840 x 2160 |
| Dot Clock | 594.00 MHz (Maximum) |

| BUILT-IN SOUND | |
|------------------|--------------|
| Internal Speaker | 5W, Monaural |

| LIGHT SOURCE | |
|--------------|------------------------------------|
| Type | Blue laser diode / yellow phosphor |
| Life | Up to 20,000 hours ⁸ |

| RATINGS | |
|------------------------|------------------------------|
| Fan Noise | 37 / 32 / 29dB ² |
| Power Consumption | 665W |
| Standby Power | 0.8 / 0.4W ⁹ |
| Heat Dissipation | Up to 2270 BTU/h |
| Power Voltage | AC 100 – 240V, 50 / 60 Hz |
| Operating Temperature | 32°F – 113°F (20%RH – 85%RH) |
| Storage Temperature | -4°F – 140°F |
| Dimensions (W x H x D) | 22" x 7.9" x 24.5" |
| Weight | 57.3 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 Air Filter RS-FL04 | 2128C001 |
| Ceiling Attachment RS-CL15 ¹⁰ | 0964C001 |
| Ceiling Attachment Arm RS-CL17 ¹⁰ (pack of four) | 2133C001 |
| Ceiling Pipe (400 – 600mm) RS-CL08 | 3096B001 |
| Ceiling Pipe (600 – 1000mm) RS-CL09 | 3097B001 |