

LCOS Projector WUX5800

■Product Summary

This product is a high-performance lamp light source projector of lens exchange type which can project high resolution computer screen and high quality digital image on high definition and large screen.

*This product is an interchangeable lens type projector. Please seek an optional interchangeable lens according to the installation conditions..

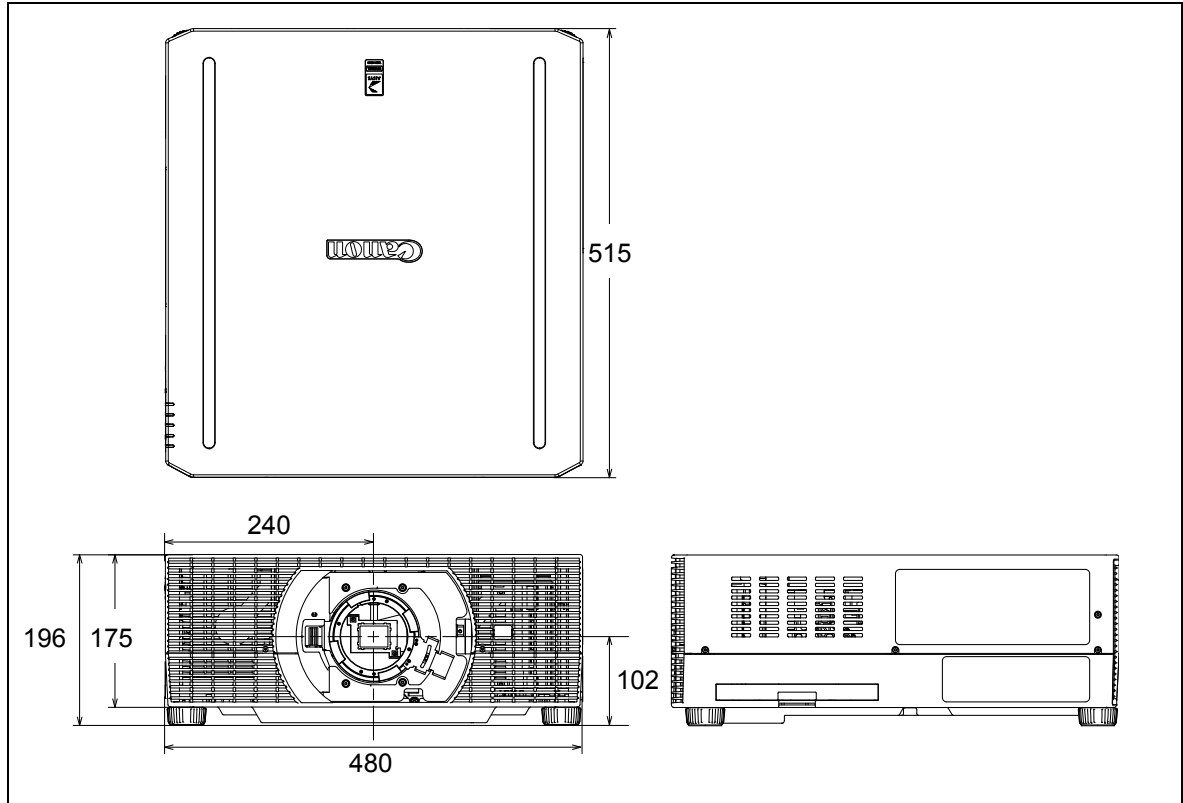
■Basic specifications

| | |
|---|---|
| 1.Product classification Image device, number Projection lens Optional Lenses | Reflective LCD panel (LCOS), 3 panels Detachable RS-SL01ST/RS-SL02LZ/RS-SL03WF/RS-SL04UL/RS-SL05WZ/RS-SL06UW |
| 2.Image device Number of pixels Display size Aspect ratio | 1920×1200 (WUXGA) 0.71 type 16:10 |
| 3.Light source Type Power consumption | Super high pressure lamp for projectors 343/300/262W (Full power/Power saver1/Power saver2) |
| 4.Images Optical system Light output Marginal lumination ratio Contrast ratio Electronic zoom Keystone correction | Dichroic mirror and PBS color separation-combination system 5800/5200/4500 lm (Full power/Power saver1/Power saver2) * When the image mode is set to presentation * When standard zoom lens RS-SL01ST is used for the projection lens * The luminance values for modes other than Full power are calculated. 90% * When standard zoom lens RS-SL01ST is used for the projection lens 2000:1 * All white : all black * When standard zoom lens RS-SL01ST is used for the projection lens **When the Lamp control is set to "On". Maximum 12x (for length) Vertical direction ± 20° Horizontal direction ± 20° |

| | |
|----------------------------------|---|
| 5. Terminals and I/O signals (1) | |
| DVI-I | |
| Digital PC input | WUXGA, UXGA, WSXGA+, SXGA+, WXGA+, FWXGA, WXGA, SXGA, XGA, SVGA, VGA |
| Analog PC input | WUXGA, UXGA, WSXGA+, SXGA+, WXGA+, FWXGA, WXGA, SXGA, XGA, SVGA, VGA |
| HDMI | |
| Digital PC input | WUXGA, UXGA, WSXGA+, SXGA+, WXGA+, FWXGA, WXGA, SXGA, XGA, SVGA, VGA |
| Digital video input | 1080p, 1080i, 720p, 576p, 480p **Audio input supported |
| DisplayPort | Equivalent to the HDMI terminal * The details of digital PC signals are different between DVI-I and HDMI/DisplayPort. |
| Mini Dsub15 | |
| Analog PC input | WUXGA, UXGA, WSXGA+, SXGA+, WXGA+, FWXGA, WXGA, SXGA, XGA, SVGA, VGA |
| Component video input | 1080p, 1080i, 720p, 576p, 576i, 480p, 480i |
| RJ-45 | |
| HDBaseT input | *Switched automatically between HDBaseT and general network Image, audio, control and network (100BASE-TX) ** Equivalent to the image and audio of HDMI/DisplayPort |
| Network connection | Network (100BASE-TX) NMPJ screen transfer (CANON original protocol) |
| USB Type A | |
| USB data transmission | JPEG still image Firmware version up |
| 6. Terminals and I/O signals (2) | |
| Mini jack | Audio input |
| Mini jack | Audio output |
| Mini jack | Wired remote connection |
| Dsub9 | |
| RS-232 connection | User command Firmware version up |

| | |
|---|---|
| <p>7.Mechanics</p> <p>Lens shift</p> <p>Lens mount</p> <p>Adjustable feet</p> <p>Dimensions</p> <p>Weight</p> <p>Noise level</p> | <p>Electric powered</p> <p>Amount of lens shift</p> <p>** When standard zoom lens RS-SL01ST is used for the projection lens</p> <p>** When the lens shift mode is set to normal</p> <p>Vertical direction +55%/-15%</p> <p>Horizontal direction +10%/-10%</p> <p>Spigot type</p> <p>Four locations on the bottom, detachable</p> <p>Extension length: 14.6 mm, maximum angle of inclination: $\pm 1.8^\circ$</p> <p>The screw holes in the projector are also used to install suspension fittings.</p> <p>W: 480 mm, H: 196 mm, D: 515 mm</p> <p>Approx. 13 kg</p> <p>35/29/27 dB(Full power/Power saver1/Power saver2)</p> <p>** Changed with the light source mode setting</p> |
| <p>8.Others</p> <p>Infra-red receiver</p> <p>Built-in speaker</p> <p>Power supply</p> <p>Power consumption</p> <p>Standby power</p> <p>Operation environment</p> <p>Storage environment</p> | <p>One in the front and one in the back</p> <p>Monaural audio: 1 W</p> <p>AC100 - 240 V, 50/60 Hz</p> <p>455W / 385W / 350W (Full power/Power saver1/Power saver2)</p> <p>** Changed according to the settings of the light source function</p> <p>1.6 ~ 0.28 W</p> <p>** Changed with the network and other settings</p> <p>0°C - 40°C , 20%RH - 85%RH</p> <p>-20°C - 60°C</p> |

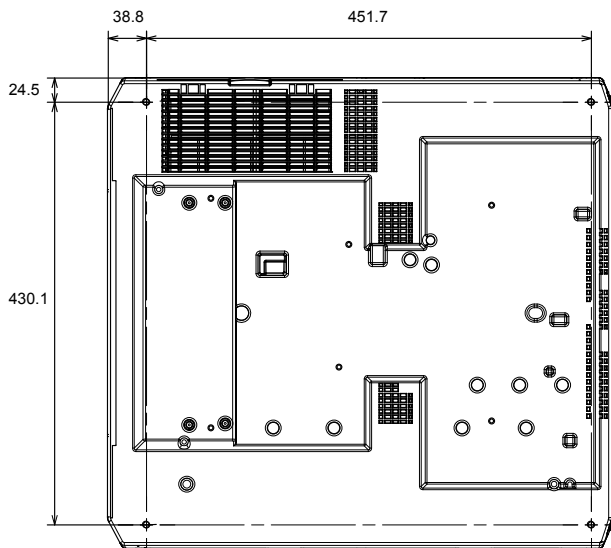
■Dimensions



| | |
|-------------|---|
| Dimensions | W: 480 mm, H: 196 mm, D: 515 mm (18.9 x 7.7 x 20.3 inch) |
| Lens center | 240 mm from the left side (*1) 102 mm from the installed surface |
| Weight | Approx. 13 kg (28.6 lbs) |

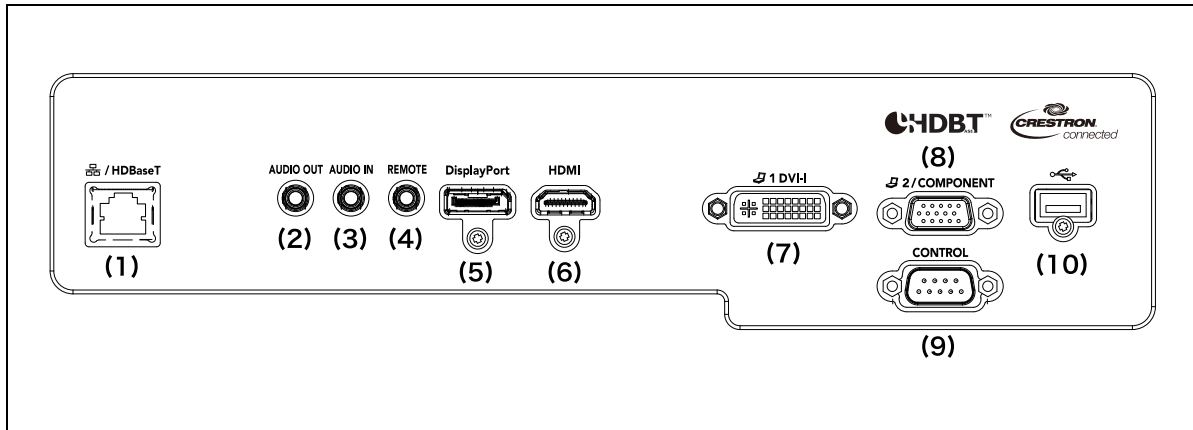
*1: The panel that a lens is mounted on is considered the front panel.
(The figure above shows the top, front, and left views.)

●Screw holes for ceiling mount: 4 (M6)



These screw holes normally have adjustable feet attached to them. If the product is to be suspended from the ceiling, the adjustable feet need to be removed.

■ Terminals



| | Terminal | Signal |
|--------------|-------------|--------------|
| Image input | DisplayPort | Image input |
| | HDMI | |
| | DVI-I | |
| | Mini Dsub15 | |
| | RJ-45 | |
| | USB type A | |
| Audio input | Mini jack | Audio input |
| Audio output | Mini jack | Audio output |
| Control | Dsub9 | Control |
| | Mini jack | |

● Wireline connection for the remote

The unit can be operated by a wired remote RS-RC05 (option).

When a cable is connected to the unit's remote terminal, the unit switches to a mode in which no infrared signal is accepted, so that the unit would not respond to other remote.

In addition, when a cable is connected to the wireline connection terminal on the remote, the remote also switches to a mode in which no infrared signal is transmitted.

When the remote is wired, the user does not have to make the channel settings on the unit or the remote.

**Note:

If the cable connecting the unit and the remote breaks, the unit will become inoperable from any remote.

■Supported image signal type

This product can display the following image signals.

●DVI input

| Signal Type | H freq. [kHz] | V freq. [Hz] | Dot clock [MHz] |
|------------------|---------------|--------------|-----------------|
| 640×480 | 31.469 | 59.940 | 25.175 |
| 720×480 | 31.469 | 59.940 | 27.000 |
| 720×576 | 31.250 | 50.000 | 27.000 |
| 800×600 | 37.879 | 60.317 | 40.000 |
| 1024×768 | 48.363 | 60.004 | 65.000 |
| 1280×720 | 37.500 | 50.000 | 74.250 |
| | 45.000 | 60.000 | 74.250 |
| 1280×800 | 49.702 | 59.810 | 83.500 |
| | 49.306 | 59.910 | 71.000 |
| 1280×1024 | 63.981 | 60.020 | 108.000 |
| 1366×768 | 47.712 | 59.790 | 85.500 |
| 1400×1050 | 64.744 | 59.948 | 101.000 |
| | 65.317 | 59.978 | 121.750 |
| 1440×900 | 55.935 | 59.887 | 106.500 |
| | 55.469 | 59.901 | 88.750 |
| 1600×900 | 60.000 | 60.000 | 108.000 |
| 1600×1200 | 75.000 | 60.000 | 162.000 |
| 1680×1050 | 64.674 | 59.883 | 119.000 |
| | 65.290 | 59.954 | 146.250 |
| 1920×1080 | 27.000 | 24.000 | 74.250 |
| | 56.250 | 50.000 | 148.500 |
| | 67.500 | 60.000 | 148.500 |
| 1920×1200 | 74.038 | 59.950 | 154.000 |
| 1920×1080 PsF | 27.000 | 24.000 | 74.25 |
| | 28.125 | 25.000 | 74.25 |
| | 33.750 | 30.000 | 74.25 |

●HDMI input, DisplayPort input

| Signal Type | H freq. [kHz] | V freq. [Hz] | Dot clock [MHz] |
|-------------|---------------|--------------|-----------------|
| 640×480 | 31.469 | 59.940 | 25.175 |
| 800×600 | 37.879 | 60.317 | 40.000 |
| 1024×768 | 48.363 | 60.004 | 65.000 |
| 1280×800 | 49.702 | 59.810 | 83.500 |
| | 49.306 | 59.910 | 71.000 |
| 1280×1024 | 63.981 | 60.020 | 108.000 |
| 1366×768 | 47.712 | 59.790 | 85.500 |
| 1400×1050 | 64.744 | 59.948 | 101.000 |
| | 65.317 | 59.978 | 121.750 |
| 1440×900 | 55.935 | 59.887 | 106.500 |
| | 55.469 | 59.901 | 88.750 |
| 1600×900 | 60.000 | 60.000 | 108.000 |
| 1600×1200 | 75.000 | 60.000 | 162.000 |
| 1680×1050 | 64.674 | 59.883 | 119.000 |
| | 65.290 | 59.954 | 146.250 |
| 1920×1200 | 74.038 | 59.950 | 154.000 |
| | | | |
| 480p | 31.469 | 59.940 | 27.000 |
| 576p | 31.250 | 50.000 | 27.000 |
| 720p | 37.500 | 50.000 | 74.250 |
| | 45.000 | 60.000 | 74.250 |
| 1080i | 28.125 | 50.000 | 74.250 |
| | 33.750 | 60.000 | 74.250 |
| 1080p | 27.000 | 24.000 | 74.250 |
| | 56.250 | 50.000 | 148.500 |
| | 67.500 | 60.000 | 148.500 |

●HDBaseT input

The same resolutions and frequencies indicated for HDM/DisplayPort input in the above table can be displayed.

HDBaseT signals are defined in the HDBaseT standard.

Signals are transmitted as HDBaseT signals through cables and then converted into HDMI signals after entering the projector.

Normal display is not guaranteed if the projector receives an HDBaseT signal that cannot be inversely converted into one of the HDMI signals in the table.

●Analog PC input (1, 2)

| Signal Type | H freq. [kHz] | V freq. [Hz] | Dot clock [MHz] |
|-------------|---------------|--------------|-----------------|
| 640×480 | 31.469 | 59.940 | 25.175 |
| 720×480 | 31.469 | 59.940 | 27.000 |
| 720×576 | 31.250 | 50.000 | 27.000 |
| 800×600 | 37.879 | 60.317 | 40.000 |
| 848×480 | 31.020 | 60.000 | 33.750 |
| 1024×768 | 48.363 | 60.004 | 65.000 |
| 1280×768 | 47.776 | 59.870 | 79.500 |
| | 47.396 | 59.995 | 68.250 |
| 1280×800 | 49.702 | 59.810 | 83.500 |
| | 49.306 | 59.910 | 71.000 |
| 1280×960 | 60.000 | 60.000 | 108.000 |
| 1280×1024 | 63.981 | 60.020 | 108.000 |
| 1366×768 | 47.712 | 59.790 | 85.500 |
| 1400×1050 | 64.744 | 59.948 | 101.000 |
| | 65.317 | 59.978 | 121.750 |
| 1440×900 | 55.935 | 59.887 | 106.500 |
| | 55.469 | 59.901 | 88.750 |
| 1600×900 | 60.000 | 60.000 | 108.000 |
| 1600×1200 | 75.000 | 60.000 | 162.000 |
| 1680×1050 | 64.674 | 59.883 | 119.000 |
| | 65.290 | 59.954 | 146.250 |
| 1920×1080 | 56.250 | 50.000 | 148.500 |
| | 67.500 | 60.000 | 148.500 |
| 1920×1200 | 74.038 | 59.950 | 154.000 |

●Component video input

| Signal Type | H freq. [kHz] | V freq. [Hz] | Dot clock [MHz] |
|-------------|---------------|--------------|-----------------|
| 480i | 15.734 | 59.940 | 13.500 |
| 480p | 31.469 | 59.940 | 27.000 |
| 576i | 15.625 | 50.000 | 13.500 |
| 576p | 31.250 | 50.000 | 27.000 |
| 720p | 37.500 | 50.000 | 74.250 |
| | 45.000 | 60.000 | 74.250 |
| 1080i | 28.125 | 50.000 | 74.250 |
| | 33.750 | 60.000 | 74.250 |
| 1080p | 56.250 | 50.000 | 148.500 |
| | 67.500 | 60.000 | 148.500 |
| 1080PsF | 27.000 | 24.000 | 74.25 |
| | 28.125 | 25.000 | 74.25 |
| | 33.750 | 30.000 | 74.25 |

** If the dot clock of the analog PC signal is higher than 162MHz, image will not be projected properly.

The term analog/digital PC signal in this manual refers to image signals in RGB format.
Component video signal or digital video signal refers to image signals in color difference format

■ Wireless specification

● Main specification

| | |
|------------------------|--|
| Transmission standards | IEEE 802.11b IEEE 802.11g IEEE 802.11n |
| Transmission distance | About 25 m When no electric wave interference from the perimeter and when clear viewing to the access point |
| Wi-Fi certification | Acquired |
| WPS | Support: Push button method (PBC), PIN code method (PIN) |
| Encryption | Open WEP WPA-PSK TKIP WPA-PSK AES WPA2-PSK TKIP WPA2-PSK AES |
| Connection mode | Infrastructure mode PjAP mode |

● Connection modes and Functions

| Mode | Infrastructure | PjAP |
|-------------------|---|---|
| Connection method | WPS (PBC, PIN)/ manual | Manual |
| Usable | NMPJ User command Control with the browser Mail | NMPJ User command Control with the browser |
| Not usable | SNMP PJLink / AMX / Crestron RoomView Firmware update | Mail SNMP PJLink/AMX/Crestron RoomView Firmware update |

● Auto Search

When wireless communication is already configured, this product operates in the following manner depending on the connection mode.

| Mode | Infrastructure | PjAP |
|--------------|--|---|
| Working (*1) | Connected with the last connection destination and earlier destinations (*2) | The product starts operating as an access point according to the set profile (SSID and the like). |

*1: (1) When the projector is started with the wireless network function set to “On”.

(2) When the wireless network function is set to “on” in the projector operating.

*2: This document omits the details of the search scope and procedure.

■Accessories

| | | |
|---------------------------|--|---|
| Main Supplied Accessories | Remote Control RS-RC07 | πPower supply: DC 3.0V (with two AAA battery) Communication range: approx. 8 m within ±25 degrees of the receiver |
| | Power code | Connects the unit to a power source. |
| | Computer cable (only for J destination) | mini Dsub15-mini Dsub15 This is used for connection with computer. This transmits analog PC signals. |
| Optional Parts | Ceiling Attachment RS-CL15 (*1) | This is used for ceiling mount. |
| | Ceiling Attachment Arm RS-CL17 (*2) | This is used for ceiling mount. |
| | Ceiling Pipe 400-600mm RS-CL08 | The RS-CL08 is used in combination with the RS-CL15 to suspend the projector at a distance below the ceiling. |
| | Ceiling Pipe 600-1000mm RS-CL09 | The RS-CL09 is used in combination with the RS-CL15 to suspend the projector at a distance below the ceiling. |
| | Remote Control RS-RC07 | Same as the supplied remote. |
| | Remote Control RS-RC05 | Power supply: DC 3.0V (with two AA battery) Communication range: approx. 8 m within ±25 degrees of the receiver Allows for wireline connection (*3) |
| Replacement Parts | Lamp Assembly RS—LP12 | Super High Pressure Lamp for projectors Recommended lamp replacement time (*4) |
| | Replacement air filter RS-FL05 | This filter is installed at the air intake to prevent dust from entering. |

*1: Do not attach a difference model's attachment. The size and the weight of a product are different from other modes.

Consult a building professional before attempting to mount the projector to a ceiling.

*2: RS-CL15 and RS-CL17 are used together to mount this projector on a ceiling.

*3: Uses a commercially available audio cable (3.5Φ stereo mini-plug) for cable connection.

| | | |
|-----------------|-----------------------------------|--|
| Projection lens | Standard zoom lens RS-SL01ST | Focal length 23.0-34.5 mm Zoom ratio 1.5x Distance for 100 type 3.21-4.82 m |
| | Long Zoom Lens RS-SL02LZ | Focal length 34.0-57.7 mm Zoom ratio 1.7x Distance for 100 type 4.72-8.05 m |
| | Ultra-long Zoom Lens RS-SL04UL | Focal length 53.6-105.6 mm Zoom ratio 1.97x Distance for 100 type 7.64-14.94 m |
| | Wide Zoom Lens RS-SL05WZ | Focal length 15.56-23.34 mm Zoom ratio 1.5x Distance for 100 type 2.15-3.23 m |
| | Short Fixed Lens RS-SL03WF | Focal length 12.8 mm Zoom ratio No optical zoom Distance for 100 type 1.73 m |
| | Ultra-wide Zoom Lens RS-SL06UW | Focal length 8.39 mm Zoom ratio No optical zoom Distance for 100 type 1.16 m |

** The detailed specifications of the lens, please confirm the each lens specification.