

XEED WUX500

Compact, high-performance WUXGA installation projector with versatile connections

Enjoy superior image quality and versatile connections with this WUXGA compact installation projector, which features LCOS technology, constant 5000 lumens brightness and a Canon quality 1.8x zoom lens plus HDBaseT and Wi Fi.



- Achieve detailed, ultra-realistic images with native WUXGA resolution (1920 x 1200 pixels) and Full HD capability
- Enjoy a vivid 5000 lumens constant* brightness and native 2000:1 contrast ratio
- Create smooth, seamless images with vivid, accurate colours using LCOS panel and AISYS technology
- 1.8x zoom lens with powered lens shift, zoom and focus for fast and accurate installation
- Connect to a wide variety of devices thanks to HDBaseT connection and Wi Fi for wireless LAN with Network Multi Projection (NMPJ)
- Advanced imaging features include hardware edge blending, picture-by-picture and four corner keystone correction
- PC-free multi projection via USB using up to nine projectors
- HDMI and RJ-45 network ports
- Easy access to the lamp and air filter helps keep maintenance costs down
- Energy efficient with up to 5000h lamp life and only 30dBA in ECO mode

*Based on a single image size. Brightness may decrease by up to 5%.

An enhanced warranty loan service as standard*



The Canon Three Year Enhanced Warranty Loan Service helps keep your installation operational.†

Under the terms of the warranty, a next-day** loan projector is provided while the original device is repaired or serviced.

Three Year Lamp Warranty



For added peace of mind, XEED Compact Installation projectors can be covered by the Canon Three Year Lamp Warranty.† The standard 90-day warranty can be extended to three years, free of charge, simply by registering the projector within one month of purchase. Once registered, the owner is entitled to up to three replacement lamps over a three year period, including free delivery.

* Selected territories only.

** Next day means that where possible, the loan product will be provided on the day after the repair request. If the request is received after midday, on a weekend or a public holiday, the loan product will be received within two days. This loan service is subject to full terms and conditions.

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Sales Start Date: May 2015

Technical Specifications

PANEL		Built-in Speaker	5.0W RMS, Monaural
Type	LCOS reflective display, TFT Active Matrix	PORTS AND CONNECTORS	
Size and Number	0.71" diagonal, 3 panels	Digital RGB Input	DVI-I 29-pin (shared)
Aspect Ratio	16:10	Digital Video and Audio Input	HDMI (with Deep Colour)
Native Resolution	1920 x 1200 (WUXGA), 2304000 pixels	Analogue RGB Input 1	DVI-I 29-pin (shared)
OPTICS		Analogue RGB Input 2	Mini D-Sub 15-pin (Component via optional adaptor cable)
Lamp Type	250W NSHA	Audio Input 1	3.5 mm stereo mini-jack
Lens F Number and Focal Length	F2.8; f=21.7 – 39.0 mm	Audio Input 2	3.5 mm stereo mini-jack
Zoom Magnification and Control	1.8x Manual	Audio Output	3.5 mm stereo mini-jack (variable level)
Focus Control	Manual	USB Port	USB Type A
Lens Shift	Vertical: 0% to +60%, Manual Horizontal: +/-10%, Manual	Service Port / Projector Control	Mini D-Sub 9-pin
IMAGE AND AUDIO		Network Port	RJ-45 (HDBaseT) RJ-45 (1000BASE-T / 100BASE-TX / 10BASE-T)
Brightness	5000 lumens (3800 lumens in Eco Mode)	Wired Remote Control	3.5 mm stereo mini-jack
Brightness Uniformity	90%	MECHANISMS	
Contrast Ratio	2000:1 (full on / full off)	Front Elevation Mechanism	Two rotary feet, 6" maximum image elevation
Projection Distance Coverage	1.2m – 16.2m (3.0m - 5.4m for 100" image)	RATINGS	
Screen Size	40" - 300" (86 x 54cm - 646 x 404cm)	Dimensions (W x H x D)	337 mm x 136 mm x 370 mm
Throw Ratio	1.39 - 2.51 : 1	Weight	5.9 kg
Keystone Correction Range	Vertical: +/-20° Horizontal: +/-20°	Power Source	100V - 240V AC, 50/60Hz
Digital RGB Compatibility	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	Power Consumption	Normal Mode: 365W / Eco Mode: 295W / Standby: 1.3W / Standby (LAN & HDBaseT off): 0.2W
Analogue RGB Compatibility	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	Noise Level	Normal Mode: 37dBA / Eco Mode 30dBA
Digital Video Scan Systems	1080p / 1080i / 720p / 576p / 480p	Operating Environment	0°C to +40°C
Component Video Scan Systems	1080p / 1080i / 720p / 576p / 576i / 480p / 480i	Storage Environment	-10°C to +60°C
Supported File Types	JPEG still image	Warranty	3 Years

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

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Product Details:

Product Name	Mercury Code	EAN Code
Projector XEED WUX500 (E)	0071C003AA	4549292025484
Projector XEED WUX500 (GB)	0071C007AA	8714574629827
Projector XEED WUX500 Medical (E)	0071C005AA	8714574629803
Projector XEED WUX500 Medical (GB)	0071C006AA	8714574629810

Optional Accessories:

Product Name	Mercury Code	EAN Code
Remote Controller RS-RC06 (same as supplied in box)	8381B001AA	4960999977249
Remote Controller RS-RC05	5750B001AA	4960999810393
Projector Lamp RS-LP08	8377B001AA	4960999977201
Ceiling Attachment RS-CL14 (New)	0072C001AA	4549292025507
Option Foot RS-FT01 (4 pcs)	8380B001AA	4960999977232
Air Filter replacement RS-FL02	8379B001AA	4960999977225

What's in the box?

- Multimedia Projector XEED WUX500
- Remote Controller (Incl. batteries)
- AC Mains Power Cable
- Computer (VGA) Cable
- Quick Start Guide (Book)
- User's Manual (Multi, CD-ROM)
- Warranty book (E)
- Outer box with EAN code

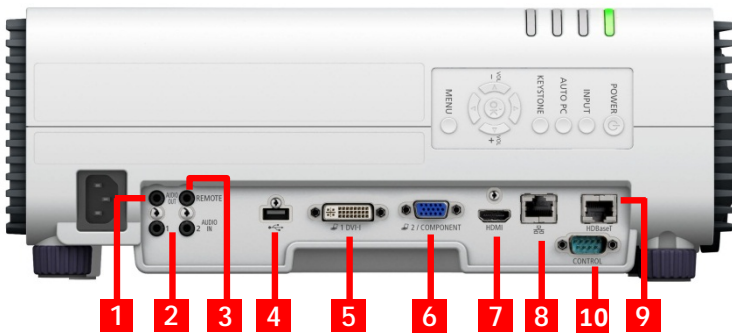
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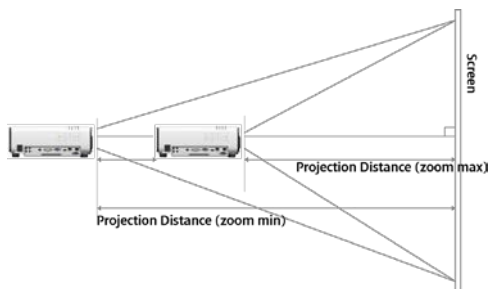


Connectivity



- 1 AUDIO OUT terminal (AUDIO OUT)**
Outputs the audio to external AV equipment. This outputs the audio signal that corresponds to the projected image signal.
- 2 AUDIO IN terminal (AUDIO IN)**
Receives the audio signal input for 2 kinds of image input other than HDMI / HDBaseT. The internal speaker outputs the audio for the selected image signal.
- 3 Terminal for wired remote control (REMOTE)**
This terminal is used to connect the remote control using a cable.

- 4 USB port**
Connects a USB flash drive. Used for projection of images on a USB flash drive, or for firmware updates.
- 5 ANALOG PC-1 / DVI-I input terminal (DVI-I)**
Connects the external monitor output from a computer. Receives digital PC signal (Digital PC). A VGA-DVI-I cable can also be used to receive analog computer signals (Analog PC-1).
- 6 ANALOG PC-2 / COMPONENT input terminal (COMPONENT)**
Receives the analog PC signal (Analog PC-2). A component cable can be used to receive the component image signal (Component).
- 7 HDMI input terminal (HDMI)**
Receives digital video signals (HDMI). Carries both video and audio signals across a signal cable.
- 8 LAN port**
Connects the LAN cable (shielded twisted pair). Used to connect the projector to a network.
- 9 HDBaseT input terminal**
Receives HDBaseT input including digital video and audio signals. A single HDBaseT cable (shielded twisted pair) can be used for both video and audio input.
- 10 Service port (CONTROL)**
It is not used during ordinary use.



THROW DISTANCES (16:10 aspect ratio)

Image Size (Inches)	40	60	80	100	150	200	300
Width (cm)	86	129	172	215	323	431	646
Height (cm)	54	81	108	135	202	269	404
Lens (Projection ratio: 1.39:1 - 2.51:1)	Projection Distance (Zoom - max / min)						
	1.2m / 2.2m	1.8m / 3.2m	2.4m / 4.3m	3.0m / 5.4m	4.5m / 8.1m	6.0m / 10.8m	9.0m / 16.2m

LCOS Projector WUX500

1. Main Features

1-1 Features newly developed image engine, with renewed image processing algorithm

The WUX500 is a follow-up model to the WUX450 series. It is a compact installation model featuring high resolution, high luminance, and high contrast.

Its size makes it easy to carry, and it will be able to output the maximum luminance among the WUXGA models equipped with an integrated projection lens.

1-2 Leading the industry with the highest level image quality

The high-performance AISYS optical system and image processor are inherited from the WUX450.

Superb optical technology and image processing technology provide high-quality image projections.

Moreover, the firmware has been modified to expand the way in which some of the functions can be used, such as enabling corner adjustment during edge blending.

1-3 Highly durable optical system

As one of the methods to achieve durability, the WUX500 uses durable optical parts proven in the WUX6000.

Starting from the reliable, new LCOS panel, the WUX500 employs a polarization conversion element whose waveplate is made of inorganic material and an optical construction that does not include plastic polarizing plate to provide high luminance and long-term reliability.

1-4 1.8x F2.8 projection lens & lens shift function

The incorporation of a high-magnification 1.8x zoom projection lens and a lens shift mechanism gives greater freedom in the installation position.

In addition, since the projection lens is designed so that the f-number is constant at 2.8 over the entire zoom region, there is little fluctuation in the image brightness even if the zoom position is changed. This is a key point in differentiating this product from the products of competitors.

1-5 HDBaseT input

The WUX500 will feature the first HDBaseT reception function. HDBaseT is a standard for transmitting image, audio, and control signals over long distances. Cabling can span up to 100 meters (*1), which greatly improves convenience in system configuration.

*1: HDBaseT uses CAT5e or better STP cables as specified by the Telecommunications Industry Association (TIA) of U.S.

The length includes patch cables and connectors. However, depending on the cable type and installation conditions, it may not be possible to achieve the performance at the required distance.

1-6 Wi-Fi function

In addition to wired LAN, a Wi-Fi function has been added to support wireless LAN connection.

This makes it possible to input image and audio signals wirelessly from a PC.

(The NMPJ function must be used to transfer data regardless of whether the connection is wired or wireless.)

1-7 Advanced USB presentation function

The USB presentation function, which projects images without a PC connection, has been improved.

The projector operability has been expanded with thumbnail-display, animation-display, and multi-lingual capabilities.

1-8 PC-free multi projection

Edge blending, which is used to project large images from multiple projectors, is possible without a PC.

When data is input from a USB device to a single projector, the data is projected as a single picture from multiple projectors (up to nine projectors).

2. Specifications

2-1. Basic specifications

Model	WUX500	
Type	Product type	Projector
	Imaging device, number	Reflective LCD panel (LCOS) ×3
LCOS panel	Number of pixels	1920×1200 (WUXGA)
	Size type, Aspect ratio	0.71type, 16:10
	Driving system	Active Matrix
Projection lens	Lens configuration	11 groups 13elements
	F number, Focal length	F2.8, 21.7 - 39.0 mm / 0.85in - 1.54in
	Zoom magnification	1.8 times
	Projection distance	1.2 - 16.2 m / 3.9 - 53.1 ft
	Distance for 100 type	3.0 - 5.4 m / 9.8 - 17.7 ft
	Throw ratio (*1)	1.39 - 2.51
	Operation	Zoom: manual, Focus: manual, Lens shift: manual
Light source	Type	250-NSHA
	Power (*2)	260/200 W
Images	Optical system	Dichroic mirror and PBS color separation-combination system
	Brightness (*2)	5000/3800 lm
	Marginal lumination ratio	90%
	Contrast ratio (*3)	2000:1
	Image size (16:10)	40 - 300 type
	Lens shift	V: 0% - 60%, H: ±10% (manual)
	Electronic zoom (for length)	12x maximum
Keystone correction	V ±20°, H ±20°	
Image signals	Analog PC input (*4)	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA
	Digital PC input (*4)	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA
	Digital video input	1080p/1080i/720p/576p/480p
	Component video input	1080p/1080i/720p/576p/576i/480p/480i
	HDbaseT input	Equivalent to the input signals of digital PC input and digital video input
	USB data transfer	JPEG still image
Network communication	NMPJ screen transfer (CANON original protocol)	
Terminals	DVI-I	Analog PC/Digital PC input
	HDMI	Digital PC/Digital video input (supporting Deep color)
	RJ-45 (HDBaseT)	HDbaseT input (Image, audio and control signal)
	Mini Dsub15	Analog PC / Component video input
	Mini jack x3	Audio input x2, Audio output x1
	Mini jack x1	Wired remote control connection
	Dsub9	RS-232C connection
	USB Type A	USB connection
RJ-45	Network connection (1000BASE-T / 100BASE-TX / 10BASE-T)	
Mechanisms	Adjustable feet	Bottom front : 2 places (Maximum elevation 6°)
	Built-in speaker	5 W , Monaural
	Dimensions [mm]	W: 337, H: 118, D: 362 (not including protrusion) W: 337, H: 136, D: 370 (including protrusion)
	Dimensions [inch]	W: 13.3, H: 4.6, D: 14.3 (not including protrusion) W: 13.3, H: 5.4, D: 14.6 (including protrusion)
	Mass	5.9 kg / 13.0 lb
Noise level (*2)	37/30 dB	
Others	Power supply	AC100 - 240 V : 50/60 Hz
	Power consumption (*2)	365/295 W
	Stand-by power consumption (*4)	1.3 / 0.6 / 0.2 W
	Operation environment	0°C ~ 40°C , 20%RH ~ 85%RH
	Storage environment	-10°C ~ 60°C

*1: Calculated value for 100" image

*2: Lamp mode is Full power/Power saver.

*3: Brightness in Power saver mode is only a calculated value, and is not guaranteed as specification

*4: HDBaseT only "ON" / Network only "ON" (Low-power) / HDBaseT "OFF" and Network "OFF"

2-2. Image Size and Projection distance

This product is suited to project pictures in size of 40 to 300 inches.
 Projection distance to the corresponding picture size is as follows.
 Note that zoom and focus operations on this product is manual.

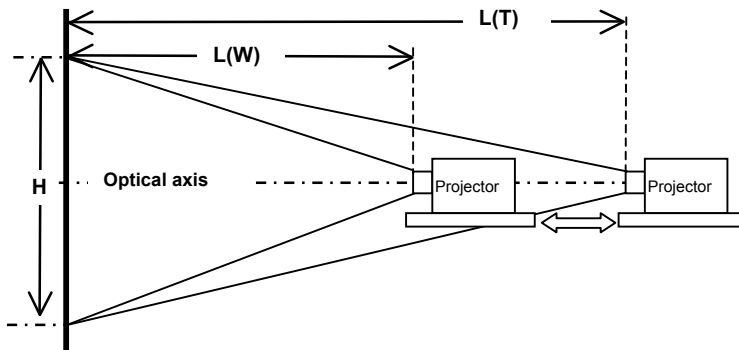


Image of height H is projected in the range from the shortest distance L (W) to the longest distance L (T).

(W) means the wide end and (T) means the tele end.

This product allows the lens shift ratio to be varied.

The left figure shows an example of 1:1 and image is divided with the optical axis at the center.

WUX500

Diag. [inch]	Image size (16:10)		Distance	
	Width [m/inch]	Height [m/inch]	L (W) [m/feet]	L (T) [m/feet]
40	0.86/33.86	0.54/21.26	1.2/3.94	2.2/7.22
50	1.08/42.52	0.67/26.38	1.5/4.92	2.7/8.86
60	1.29/50.79	0.81/31.89	1.8/5.91	3.2/10.5
70	1.51/59.45	0.94/37.01	2.1/6.89	3.8/12.47
80	1.72/67.72	1.08/42.52	2.4/7.87	4.3/14.11
90	1.94/76.38	1.21/47.64	2.7/8.86	4.9/16.08
100	2.15/84.65	1.35/53.15	3.0/9.84	5.4/17.72
110	2.37/93.31	1.48/58.27	3.3/10.83	5.9/19.36
120	2.58/101.57	1.62/63.78	3.6/11.81	6.5/21.33
130	2.80/110.24	1.75/68.9	3.9/12.8	7.0/22.97
140	3.02/118.90	1.88/74.02	4.2/13.78	7.6/24.93
150	3.23/127.17	2.02/79.53	4.5/14.76	8.1/26.57
160	3.45/135.83	2.15/84.65	4.8/15.75	8.6/28.22
170	3.66/144.09	2.29/90.16	5.1/16.73	9.2/30.18
180	3.88/152.76	2.42/95.28	5.4/17.72	9.7/31.82
190	4.09/161.02	2.56/100.79	5.7/18.7	10.3/33.79
200	4.31/169.69	2.69/105.91	6.0/19.69	10.8/35.43
210	4.52/177.95	2.83/111.42	6.3/20.67	11.3/37.07
220	4.74/186.61	2.96/116.54	6.6/21.65	11.9/39.04
230	4.95/194.88	3.10/122.05	6.9/22.64	12.4/40.68
240	5.17/203.54	3.23/127.17	7.2/23.62	13.0/42.65
250	5.38/211.81	3.37/132.68	7.5/24.61	13.5/44.29
260	5.60/220.47	3.50/137.8	7.8/25.69	14.0/45.93
270	5.82/229.13	3.63/142.91	8.1/26.57	14.6/47.9
280	6.03/237.4	3.77/148.43	8.4/27.56	15.1/49.54
290	6.25/246.06	3.90/153.54	8.7/28.54	15.7/51.51
300	6.46/254.33	4.04/159.06	9.0/29.53	16.2/53.15

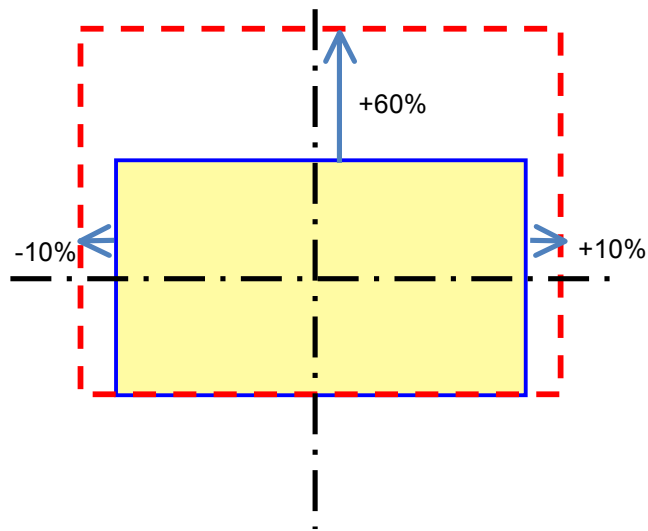
* The distances listed on the table have been rounded off and are therefore approximate values.

2-3. Lens shift function and image position

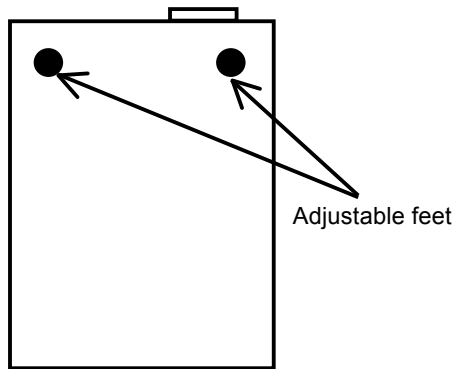
This product has a lens shift function (manual) that can move the image position vertically and horizontally. The followings are the lens shift specifications of the WUX500.

Model	WUX500 (WUXGA, 0.71 type)
Lens shift ratio	(V) 5:5~11:-1 (H) 4:6~6:4
Amount of Lens shift	(V) 0% ~ 60% (H) -10% ~ 10%

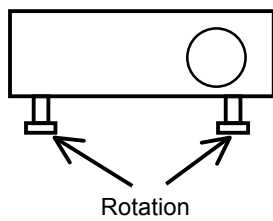
The following is the movable range of projection from this product.
The cross center is the lenses' optical axes.



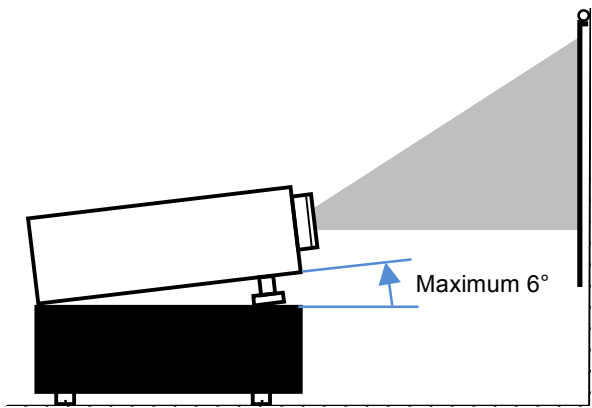
2-4. Adjustable feet



The main unit has two adjustment feet on the projection lens side of the bottom. Adjust these lengths to lift up the lens side of the projector so that the projection angle can be adjusted.



The length is adjusted by rotation the feet.



This product allows an elevation up to 6 degrees between the projection optical axis and the installation table.

* The figure is for explanation only and different from the actual product shape.

3. Accessories

Main Supplied Accessories	Remote Control RS-RC06	Power supply: DC 3.0V (with two AAA battery) Communication range: approx. 8 m within ±25 degrees of the receiver
	Computer cable	mini Dsub15-mini Dsub15 This is used for connection with computer. This transmits analog PC signals.
	Power code	Connects the unit to a power source.
Optional Parts	Ceiling Attachment RS-CL14	This is used for ceiling mount. (*1)
	Option Foot RS-FT01	Attached to 4 points on the top side when the product is installed upside down. They can be used even when the product is not upside down, by attaching to 2 points on the bottom to adjust the inclination.
	Remote Control RS-RC06	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 (*2)
Replacement Parts	Lamp Assembly RS—LP08	250-NSHA Recommended lamp replacement time (*3) 3000H/5000H (Lamp mode: Full power / Power savor)
	Replacement air filter RS-FL02	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.

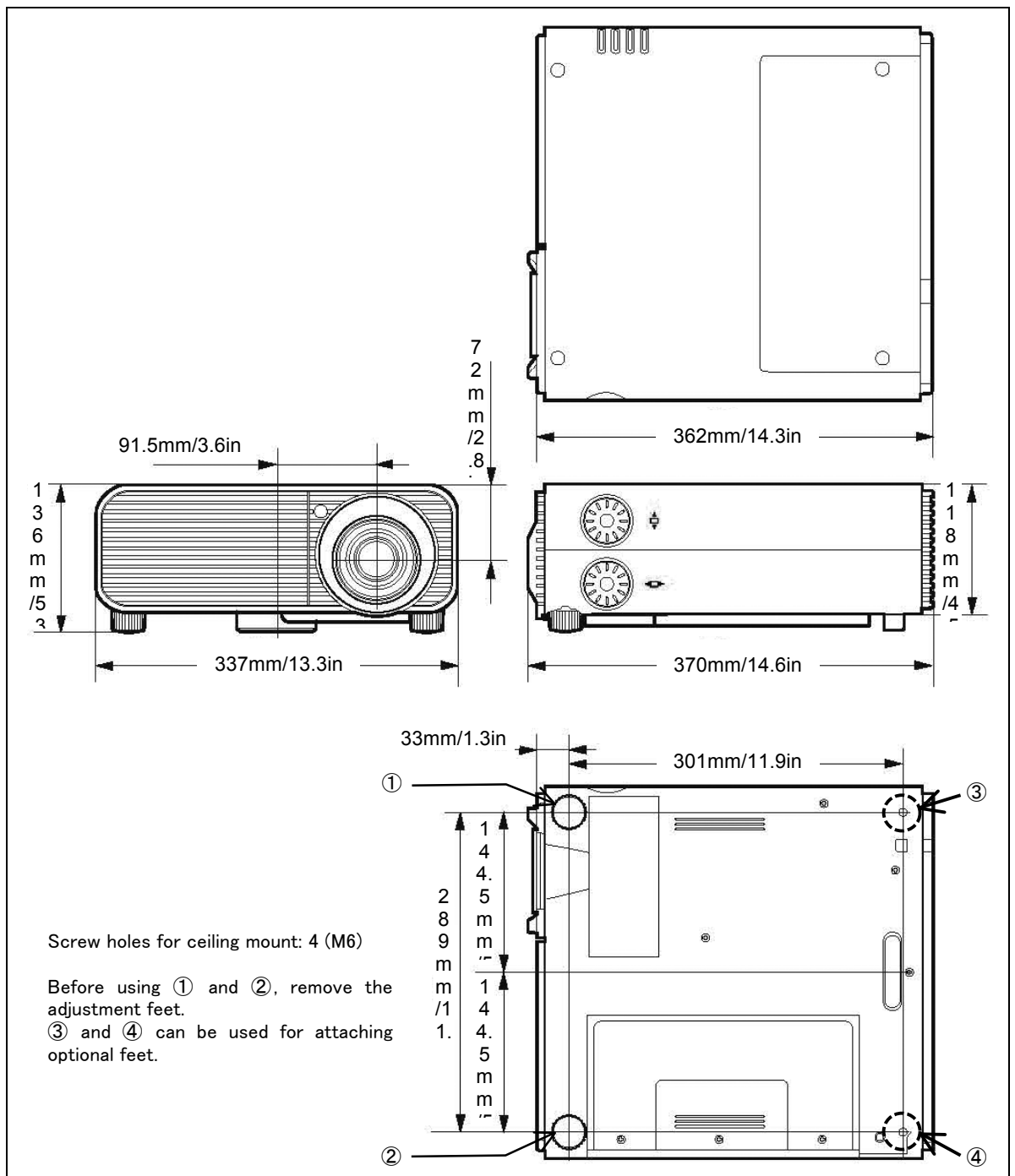
*2: Uses a commercially available audio cable (3.5Φ stereo mini-plug) for cable connection.

*3: This time guarantees a 50% survival rate and a 50% brightness-maintenance rate.

This value does not guarantee the service life of the lamp.

4. Product Appearance

●Outline Drawings



Dimensions:

W: 337 mm, H1: 136 mm, D1: 370 mm (13.3 x 5.3 x 14.6 inch) * including protrusion

W: 337 mm, H2: 118 mm, D2: 362 mm (13.3 x 4.6 x 14.3 inch) * not including protrusion

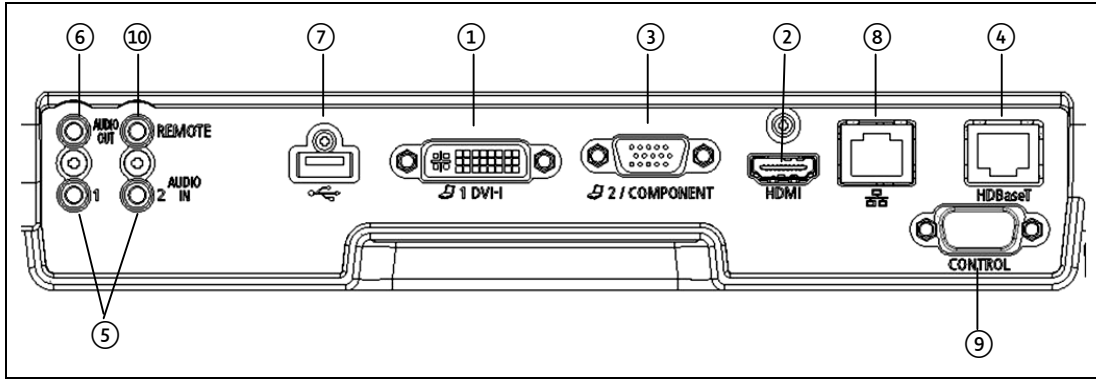
Lens center: 77.0 mm from the left side ('front' is the side where lens is attached.)

61.75 mm from the installed surface

MASS: 5.9 kg (13.0 lb)

Canon

•Terminals



	Terminal		Signal
Image input	①	DVI-I	Analog PC / Digital PC
	②	HDMI	HDMI (with audio, supporting Deep color)
	③	Mini Dsub15	Analog PC / Component video
	④	RJ-45 (HDBaseT)	HDBaseT
Audio input	⑤	Mini jack x2	Stereo audio x2
Audio output	⑥	Mini jack	Stereo audio
Control	⑦	USB type A	USB connection
	⑧	RJ-45	1000BASE-T/100BASE-TX / 10BASE-T
	⑨	Dsub9	RS-232C connection
	⑩	Mini jack	Wired remote control connection