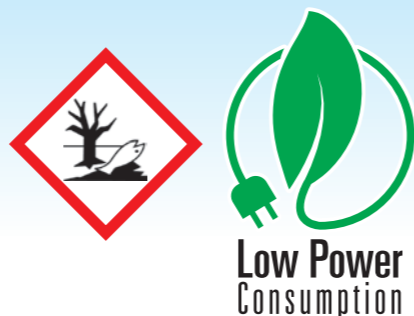


Reducing environmental impact

ECOLOGY

CASIO projectors are equipped with an SSI* light source with the most advanced light source technology. Although the use of mercury is widely prohibited worldwide today, this hazardous substance Continue to be used as a light source for conventional projector lamps. CASIO has eliminated the use of mercury from its products in consideration of the environment. Adoption of an SSI light source, combined with CASIO's very own energy-saving design, contributes to reducing CO₂ emissions.

*SSI (solid state illumination) light sources uses LEDs, lasers or other such lighting technologies.



CASIO®

LampFree
GO LAMP FREE AND SAVE



Stress-free Visual Communication

LASER & LED PROJECTOR



OPTION

- Wall mount bracket [YM-80] for XJ-UT310WN
- Serial conversion cable [YK-60] for Slim models
- Carrying bag [YB-2] for Core and Advanced models (except XJ-V1 and XJ-V2)
- Wireless LAN adaptor [YW-40] for network models except Pro models



DLP® system

CASIO projectors uses DLP® technology developed by Texas Instruments Inc. Also used to screen digital cinema, this advanced projection technology reproduces clear, highly detailed images across the range from still images to movies. It has the realistic expressive power to achieve visual presentations that captivate audiences.



Linkage to CASIO Digital Equipments



Safety precautions

Read the instruction manual carefully before using these products to ensure safe use.

Warning: Do not use a power source voltage, connection cord or AC adapter other than those specified. Doing so could result in fire or electric shock.
Caution: Do not position these products in a place where they might come into contact with water, moisture, steam, dust or oily smoke or in a high-temperature location. Doing so could result in fire, electric shock or equipment failure.

●Contact a nearby dealer for inquiries concerning this catalogue. If you have questions your dealer cannot answer, inquire at the contact address shown below. ●Be sure you receive your warranty with the date of purchase, dealer name and other required items filled in at the time of purchase. ●The specifications, designs, etc., presented in this catalogue are subject to change without notice. The color tones of the products shown may differ from those of the actual products due to printing. ●Screen images shown are superimposed graphics. ●Product prices do not include installation fees, shipping charges, incidental work costs, etc. ●Be sure to set up the equipment properly according to the directions in the instruction manual. Failure to make connections properly or attempts to make alterations may result in accidents. CASIO can accept no responsibility under such circumstances. ●The figures for brightness are averages for the products as a whole at the time of shipment and are in compliance with the ISO2118-2005 Data Projector Specifications. The measurement method and conditions are based on Appendix 2. ●These devices comply with the current JIS C 61000-3-2 harmonic standard. ●For the class of laser products, refer to the setup guide or the separate package insert bundled with the projector.

■DLP and the DLP Medallion and Logo are registered trademarks of Texas Instruments of the United States. ■Intel is a trademark or registered trademark of Intel Corporation of the United States or its subsidiaries in the U.S. and/or other countries. ■Miracast™ is a registered trademark of Wi-Fi Alliance. ■Windows is a registered trademark of Microsoft Corporation of the United States in the U.S. and/or other countries. ■XGA is a registered trademark of International Business Machines Corporation of the United States. ■The HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC. ■PULink is a registered trademark or pending trademark in Japan, the United States and other countries and regions. ■Android and Google Play are trademarks of Google Inc. ■Apple is a trademark of Apple Inc. App Store is a service mark of Apple Inc. ■Other company and product names in this catalog are trademarks or registered trademarks of the respective companies.

<http://world.casio.com/>

CASIO COMPUTER CO., LTD.
Tokyo, Japan



*Actual worldwide sales (2010 ~ 2015) Solid State Illumination Light Source projectors rated at of 2,500 lumens or higher. Source: Futuresource Consulting Ltd.

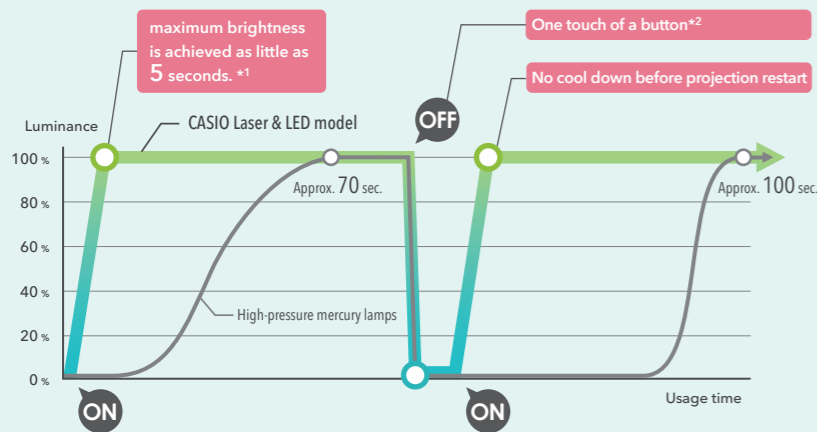
Stress-free Visual Communication

Shorter Startup and shutdown time required



Project with confidence without delay. Casio Laser & LED Projectors has the ability to turn On/Off as fast as 5 seconds. This reduces waiting time comparing to Mercury Lamp Projectors.

The drastic reduction in waiting time for the projector to start up and shutdown allows you to be more time efficient during your presentation. This also means that you do not need to wait for the projector to cool down at all after your presentation.



*1 As little as 8 seconds with slim models *2 Supported models: Core and Advanced models.

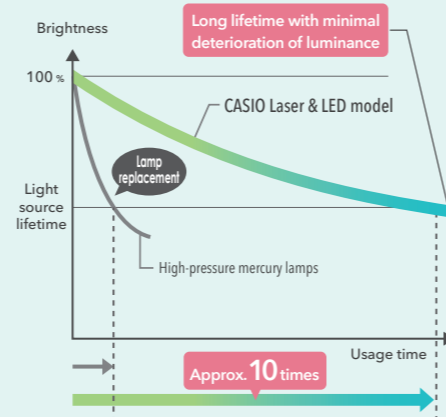
Reduced labor for trouble-shooting and little to no maintenance required



Casio projectors can now be used without worrying about the expensive filter replacement. This could bring you ultimate savings to your pocket.

Adoption of a long-life light source and of interrupted use due to technical problems, Projectors can be used without concern for maintenance and disposal.

*Supported models: Core, Advanced and Ultra short-throw models

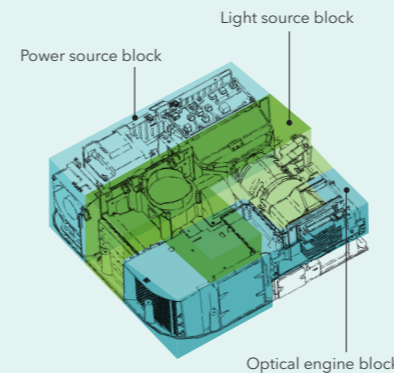


*Comparison with a high-pressure mercury lamp model (earlier CASIO product). As of February 2016, CASIO investigation.

Approx. 20,000-hour long-life light source

used without mercury lamp and bring you ultimate savings to your pocket.

dust-resistant design minimizes the risk such a burnt-out lamp or clogged filter. consumables preparation, management,



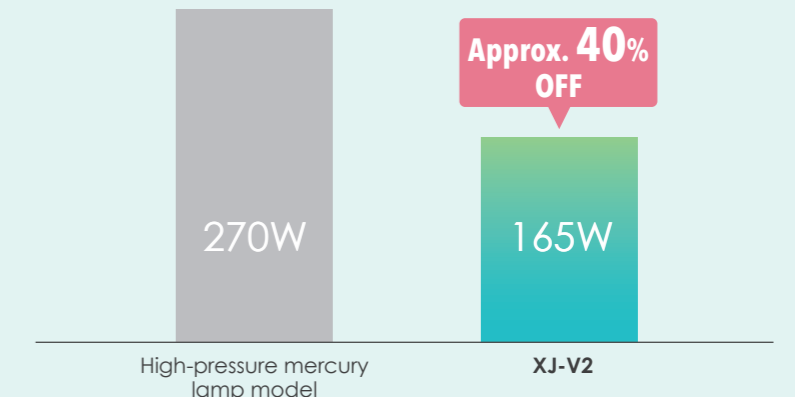
Dust-resistant structure for minimal deterioration of luminance due to dust

Reductions in both cost and size



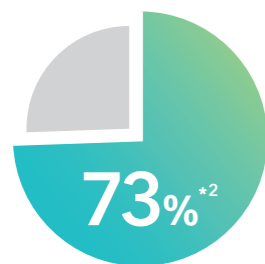
CASIO's original energy-efficient technology lowers expensive electricity costs, and its compact size provides easy portability too.

By adopting the Laser & LED Light source, it enables you to save up to 40% of energy consumption against mercury lamp projectors by using our very own Light Control Function. The size of these new projectors are now made to be more compact compared to the predecessor models.



*Numerical figures represent comparisons between 3,000 lumens models.

Significant reduction in energy consumption compared to high-pressure mercury lamps



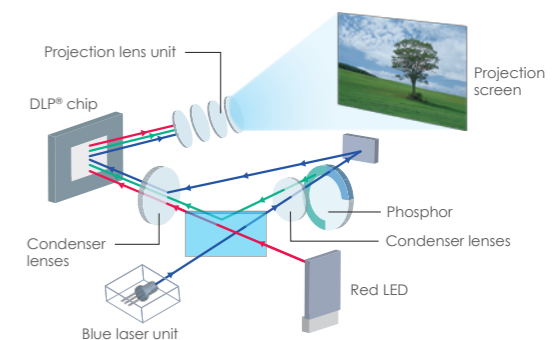
Entering a new era of Solid State Illumination Light Source Projectors.

In 2010, CASIO became the first company in the world to develop a Laser & LED Light Source for projectors. Developed in response to the environmental, economic and utilitarian needs of the era, this Solid State Illumination Light Source technology is being quickly diffused throughout the projector industry as the new light source standard. CASIO can look forward to continued growth in an expanding market as the leading manufacturer of Solid State Illumination Light Source Projectors.

*1 Actual worldwide sales (2010 ~ 2015) Solid State Illumination Light Source projectors rated at of 2,500 lumens or higher. Source: Futuresource Consulting Ltd.
*2 Various manufacturers' share of worldwide unit sales of above Solid State Illumination Light Source projectors rated at of 2,500 lumens or higher. Source: Futuresource Consulting Ltd.

[Laser & LED Light Source Technology]

It began with CASIO's original development of an optical engine combining a high-luminance blue laser with a red LED. The high projection efficiency realized through outstanding energy-saving technologies and optical block optimization led to achievement of high brightness projection and lower energy consumption as compared with mercury lamp systems and other solid-state light sources. Product downsizing was achieved, moreover, with the help of freer design layouts and original high-density mounting technologies. The unique evolution of projectors that promise to establish new standards for the next generation continues.



Diversified lineup — for use as you please wherever you please.



| Model No. | Display | | | Mobile / Installed | | | Presentation functions | | | Connectivity method | | | Management / Operation | |
|------------|-------------------|---------------------|----------------|--------------------|-------------------------|--------------------|------------------------|--------------|------------------|-----------------------------------|-----------|-------------------|---------------------------|--|
| | Native Resolution | Brightness (Lumens) | Contrast ratio | Weight | Ceiling- / Wall-mounted | Optical zoom ratio | Built-in speaker | Media player | USB power supply | Computer output (digital / video) | Wired LAN | Wireless LAN | Dust resistance structure | Power consumption Maximum*1/ Default setting*2 |
| XJ-V1 | XGA | 2700 | 20000:1 | 2.8kg | Ceiling | 1.1X | — | — | — | HDMI×1/ RGB×1 | — | — | ● | 150W/ 120W |
| XJ-V2 | XGA | 3000 | 20000:1 | 2.9kg | Ceiling | 1.1X | — | — | — | HDMI×1/ RGB×1 | — | — | ● | 165W/ 130W |
| XJ-V10X | XGA | 3300 | 20000:1 | 3.5kg | Ceiling | 1.5X | — | — | — | HDMI×1/ RGB×1 | — | — | ● | 180W/ 145W |
| XJ-V100W | WXGA | 3000 | 20000:1 | 3.5kg | Ceiling | 1.5X | — | — | — | HDMI×1/ RGB×1 | — | — | ● | 150W/ 125W |
| XJ-V110W | WXGA | 3500 | 20000:1 | 3.5kg | Ceiling | 1.5X | — | — | — | HDMI×1/ RGB×1 | — | — | ● | 190W/ 155W |
| XJ-F10X | XGA | 3300 | 20000:1 | 3.8kg | Ceiling | 1.5X | 16W | — | ● | HDMI×2/ RGB×1 | — | — | ● | 195W/ 160W |
| XJ-F20XN | XGA | 3300 | 20000:1 | 3.8kg | Ceiling | 1.5X | 16W | ● | ● | HDMI×2/ RGB×1 | ● | Options supported | ● | 195W/ 160W |
| XJ-F100W | WXGA | 3500 | 20000:1 | 3.8kg | Ceiling | 1.5X | 16W | — | ● | HDMI×2/ RGB×1 | — | — | ● | 205W/ 165W |
| XJ-F200WN | WXGA | 3000 | 20000:1 | 3.8kg | Ceiling | 1.5X | 16W | ● | ● | HDMI×2/ RGB×1 | ● | Options supported | ● | 165W/ 140W |
| XJ-F210WN | WXGA | 3500 | 20000:1 | 3.8kg | Ceiling | 1.5X | 16W | ● | ● | HDMI×2/ RGB×1 | ● | Options supported | ● | 205W/ 165W |
| XJ-A142 | XGA | 2500 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | — | — | HDMI×1/ RGB×1 | — | — | — | 155W/ 115W |
| XJ-A147 | XGA | 2500 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | ● | — | HDMI×1/ RGB×1 | — | ● | — | 155W/ 115W |
| XJ-A242 | WXGA | 2500 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | — | — | HDMI×1/ RGB×1 | — | — | — | 155W/ 115W |
| XJ-A247 | WXGA | 2500 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | ● | — | HDMI×1/ RGB×1 | — | ● | — | 155W/ 115W |
| XJ-A252 | WXGA | 3000 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | — | — | HDMI×1/ RGB×1 | — | — | — | 165W/ 120W |
| XJ-A257 | WXGA | 3000 | 1800:1 | 2.3kg | Ceiling | 2.0X | 1W | ● | — | HDMI×1/ RGB×1 | — | ● | — | 165W/ 120W |
| XJ-UT310WN | WXGA | 3100 | 1800:1 | 5.5kg | Ceiling/ Wall | Fixed *3 | 16W | ● | — | HDMI×1/ RGB×2 | ● | ● | ● | 230W/ 185W |
| XJ-H1700 | XGA | 4000 | 1400:1 | 7.1kg | Ceiling | 1.2X | 10W | — | — | HDMI×1/ RGB×2 | ● | — | — | 350W/ 270W |
| XJ-H1750 | XGA | 4000 | 1400:1 | 7.1kg | Ceiling | 1.2X | 10W | ● | — | HDMI×1/ RGB×2 | ● | ● | — | 350W/ 270W |

Core

Ideal for wide-ranging applications, from business to education. Models with simple functions and excellent cost performance.

- Small-group meetings and conferences
- Worry-free use in dusty classrooms



Page 5

Advanced

Improved ability to handle widely varied tasks, and to make smart use of network applications.

- Division-level conferences and presentations to large audiences
- Worry-free use in dusty classrooms



Page 6

Slim

Easily portable mobile style. For presentations in various locations.

- Travels easily from one schoolroom to another.
- Enables presentations in on the move such as small meeting rooms



Page 8

Ultra Short-throw

Short-throw projection enabling installation in places with limited space.

- Wall-mounted classroom use
- Meeting rooms with space limitations



Page 7

Pro

High-luminance models suited to use in large, bright venues.

- Showrooms and event spaces
- Presentations in halls and large auditoriums



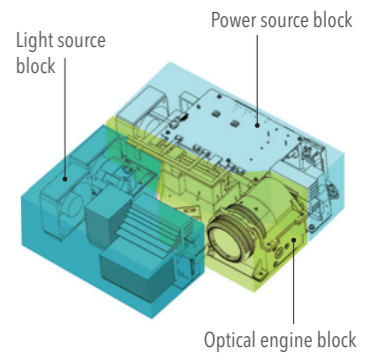
Page 8

Advanced functions from CASIO expanding the sphere of projector applications use

Dust resistance structure

Reduction in troublesome maintenance tasks for use in wide-ranging environments.

Intrusion of dust into the optical engine block is curtailed, minimizing degradation of the projection brightness. The time and effort spent on chores such as filter replacement are minimized, which is appreciated by people who use their projectors in dusty environments or mount them on the ceiling, where they can require time-consuming maintenance.

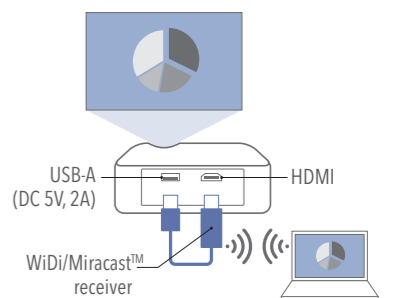


USB power supply

Support for smart presentations

Supplying power through a USB Port allows easy connection of any screen mirroring device using the HDMI Terminal. The USB port has a DC 5V,2A which provides power to the screen mirroring device such as Intel WiDi/Miracast™ using this port.

*Tested with devices are listed on the CASIO Website.



See pages 9~12 for function details.

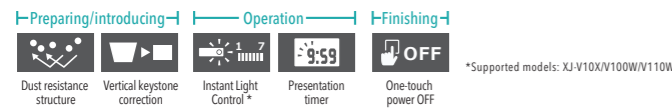
*1 "Bright" mode selected. *2 Eco mode ON, Eco 1 or Light Control mode ON, Light output 7 selected. *3 Digital Screen Shift supported.

Core

Multipurpose, cost-effective performance for business or school.



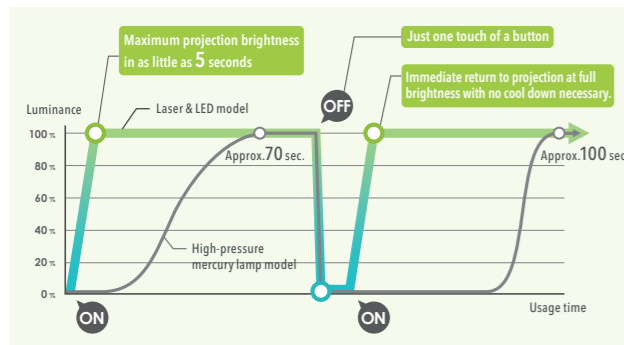
| | | | | |
|-----------------|------|-------------|-------------------|--------------|
| XJ-V1 | XGA | 2700 lumens | 1.1X optical zoom | Weight 2.8kg |
| XJ-V2 | XGA | 3000 lumens | 1.1X optical zoom | Weight 2.9kg |
| XJ-V10X | XGA | 3300 lumens | 1.5X optical zoom | Weight 3.5kg |
| XJ-V100W | WXGA | 3000 lumens | 1.5X optical zoom | Weight 3.5kg |
| XJ-V110W | WXGA | 3500 lumens | 1.5X optical zoom | Weight 3.5kg |



Quick startup & shutdown time [Instant ON & OFF]



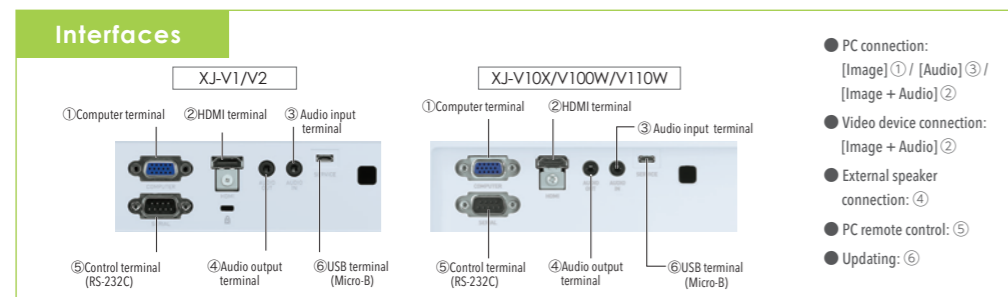
Startup takes as little as 5 seconds after the power is turned ON, dramatically reducing waiting time before image projection. Power OFF is achieved with one push of a button, and no cooldown is required before restarting. The ability to start projecting immediately increases efficiency in meetings and classes, and efficient power ON/OFF management can help conserve electricity as well.



1.5X zoom lens for flexible usability & 360° installation

With the projector's 1.5x Zoom, it is now easier for installation purposes. Other benefits include unrestricted 360° installation that supports highly flexible image projection, including portrait projection from a vertical position, or perpendicular projection onto the floor or ceiling.

*Supported models: XJ-V 10X/V100W/V110W

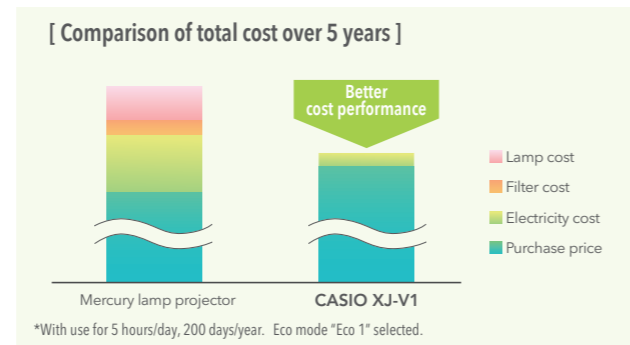


Long life, high durability, low energy consumption Helping to reduce TCO*



The Laser and LED Technology has a long life light source that last approximately 20,000 hours. With the combined dust resistance design, it helps to reduce deterioration of the projector luminance which is commonly attributed to dust and also reduces the maintenance of Casio Projectors. Comparing to mercury lamp projectors, Casio requires little to no maintenance

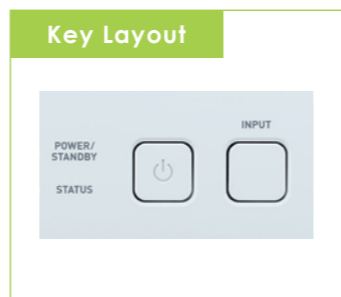
*TCO (Total Cost of Ownership): Total cost of introduction, maintenance, management, etc.



Energy-efficient design for significant cost reduction

Operation in the Eco mode achieves low power consumption of 120W*. Users can also take advantage of the 5-second minimum startup time to achieve further energy savings with strategic power ON/OFF new switching. These developments represent responses to the energy-saving needs of the era.

*Numerical figures are for XJ-V1 (Eco 1 selected).

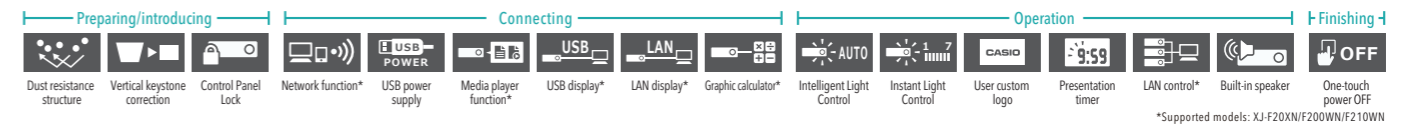


Advanced

Ability to handle wide-ranging uses, in a design suited to wide-ranging environments.



| | | | | | | |
|------------------|------|-------------|-------------------|--------------|------------------|-----------------------|
| XJ-F10X | XGA | 3300 lumens | 1.5X optical zoom | Weight 3.8kg | | |
| XJ-F20XN | XGA | 3300 lumens | 1.5X optical zoom | Weight 3.8kg | Network function | Built-in media player |
| XJ-F100W | WXGA | 3500 lumens | 1.5X optical zoom | Weight 3.8kg | | |
| XJ-F200WN | WXGA | 3000 lumens | 1.5X optical zoom | Weight 3.8kg | Network function | Built-in media player |
| XJ-F210WN | WXGA | 3500 lumens | 1.5X optical zoom | Weight 3.8kg | Network function | Built-in media player |

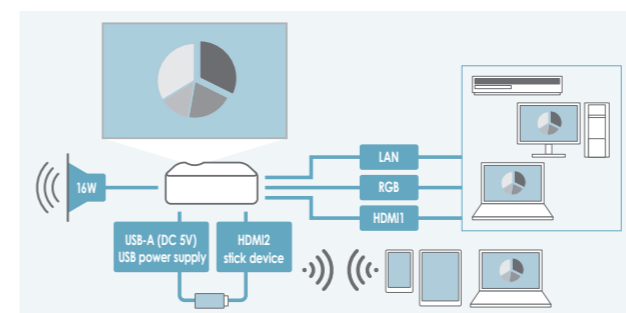


Quick startup & shutdown time [Instant ON & OFF]



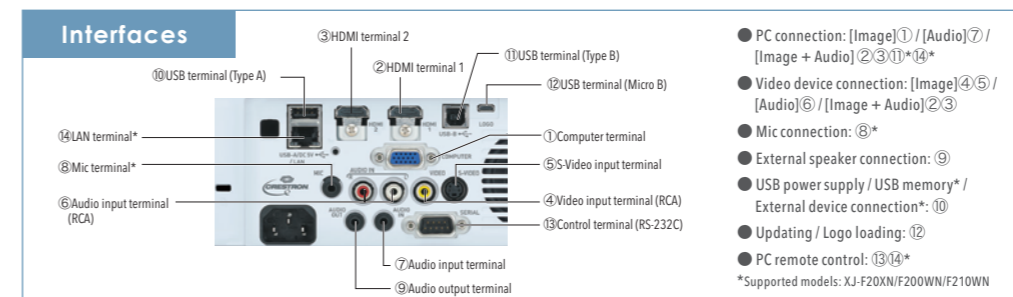
Realizing smart presentations Highly scalable interface

A DC 5V, 2A USB power supply makes connection possible without an external power source using screen mirroring devices. Two HDMI terminals permit smooth connection of additional devices without disturbing those already installed. A 16W high-output speaker is built in as well. You have all the tools you need to captivate your audience with a smart presentation.



Automatic Brightness Control for smarter power savings

The Intelligent Light Control function senses the brightness level in a room and adjusts the projection luminance automatically in seven stages. A Quick Light Control function is also installed to handle manual brightness adjustment. This results in even more power savings.

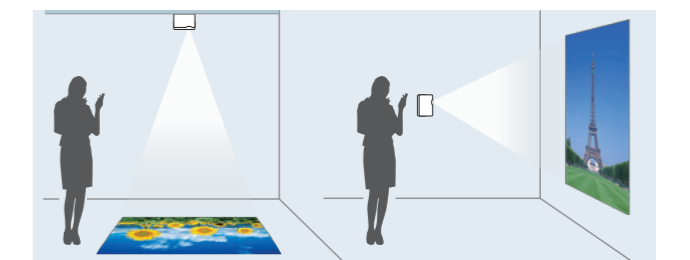


Long life, high durability, low energy consumption Helping to reduce TCO



1.5X zoom lens & 360° installation available with all advanced models

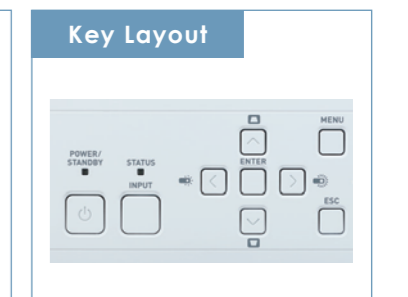
The projector's wide-angle 1.5X zoom lens expands the range of locations suitable for installation. Other benefits include an unrestricted 360° installation angle that supports highly flexible image projection, expanding the range of projection possibilities. These include portrait projection from a vertical position, for example, or perpendicular projection onto the floor or ceiling, capitalizing on the characteristics of the unique semiconductor light source to handle a wide array of applications besides presentations, from information provision to various promotions.



Networking & media player functions

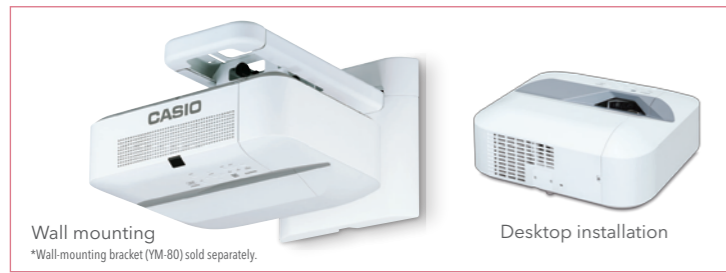
Project using your PC or tablet using the LAN Cables are now possible. Especially with the built-in media player, you can now project using your flash drive direct input. Monitor your projector via the RS-232C ports.

*Supported models: XJ-F20XN/F200WN/F210WN. Wireless LAN connection requires a separately available adapter.



Ultra Short-throw

60-inch image projection from 13cm.
Remarkably space-saving installation.

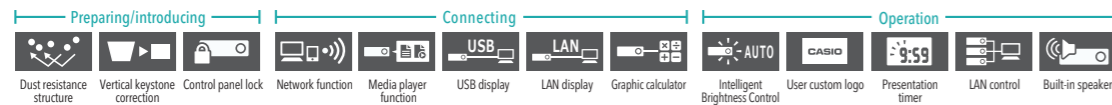


Wall mounting
*Wall-mounting bracket (YM-80) sold separately.

Desktop installation



XJ-UT310WN WXGA 3100 lumens Fixed zoom Weight 5.5kg Network function Built-in media player



Quick startup & shutdown time
[Instant ON & OFF]



See page 5.

Long life, high durability, low energy consumption
Helping to reduce TCO



See page 5.

Large-screen projection from ultra-short distance

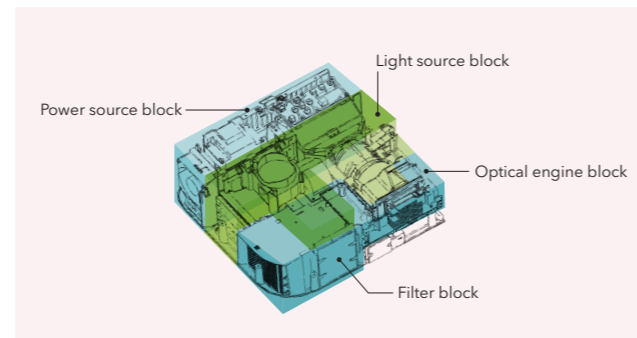
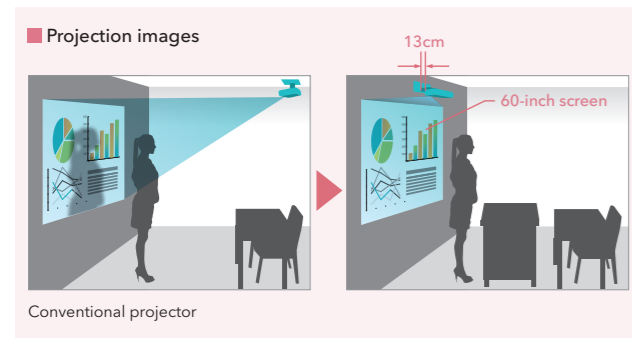
The lens's short focal length enables projection onto a 60-inch screen from a distance of just 13cm*. Besides eliminating the possibility of shadows appearing on the screen, this eliminates shadow casting on both the presenter and the screen which makes the presentation more enjoyable.

*See page 12 for details concerning projection distances.

Dust-resistant design suited for installation

CASIO's unique three-block shielded structure makes filter replacement unnecessary* for approximately 20,000 hours, moreover, thus reducing maintenance requirements even further.

*Evaluations of dust-resistance performance are based on data calculated from proprietary CASIO acceleration testing conducted with reference to the JIS D 0207 dust assessment test (in an environment with a dust concentration of 0.03mg/m3 according to the powder test established under JIS 8901). Evaluation values are the closest possible approximations, but they vary with the environment (temperature, humidity, dust concentration, etc.) and conditions (ceiling-hung or other facility installation, cleaning frequency, etc.) employed for the tests.



Various interfaces

There are two computer input and 1 monitor output terminal for pc connectivity. An additional HDMI Input terminal is also made available for higher quality image performance. Using the RS-232C Connectivity helps to control your projector.

Dedicated wall-mounting bracket available

Fixed installation on a wall is possible with a separately available wall-mounting fixture. Installation space requirements are reduced, and the need for a table or stand eliminated. The fixture's design is coordinated with the projector's, moreover, to fit nicely into almost any office, classroom or other environment.

Interfaces

- PC connection: [Image]①② / [Audio]⑦⑧ / [Image + Audio]③⑫⑬
- Video device connection: [Image]④⑤ / [Audio]⑥ / [Image + Audio]③
- Mic connection: ⑨
- External speaker connection: ⑩
- USB memory / External device connection: ⑪
- Updating / Logo loading: ⑬
- PC monitor connection: [Image]⑭
- PC remote control: ⑮⑯

See pages 9~12 for details concerning functions and terminals.

Slim

Designed for convenient mobility.
Perfect for making presentations on the move.

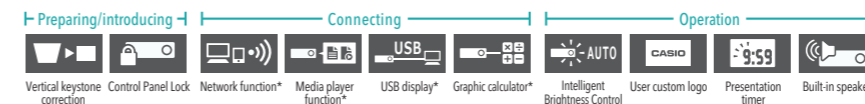


WXGA model

XGA model



XJ-A142 XGA 2500 lumens 2.0X optical zoom Weight 2.3kg
XJ-A147 XGA 2500 lumens 2.0X optical zoom Weight 2.3kg Network function Built-in media player
XJ-A242 WXGA 2500 lumens 2.0X optical zoom Weight 2.3kg
XJ-A247 WXGA 2500 lumens 2.0X optical zoom Weight 2.3kg Network function Built-in media player
XJ-A252 WXGA 3000 lumens 2.0X optical zoom Weight 2.3kg
XJ-A257 WXGA 3000 lumens 2.0X optical zoom Weight 2.3kg Network function Built-in media player



*Supported models: XJ-A147/A247/A257

Quick startup & shutdown time
[Instant ON & OFF]



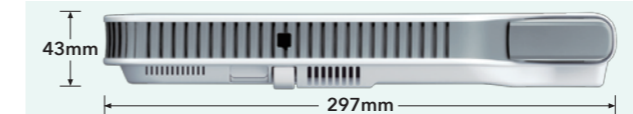
See page 5.

Long life, low energy consumption
Helping to reduce TCO



See page 5.

Mobile size for convenient portability



Wide-angle 2.0X zoom for greater installation freedom

Interfaces

- PC connection: [Image]② / [Audio]① / [Image + Audio]③
- Video device connection: [Image + Audio]①③
- USB memory / External device connection: ④*

*Supported models: XJ-A147/A247/A257

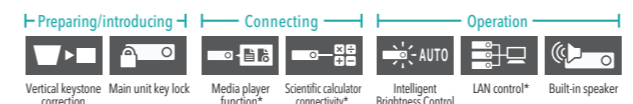
See pages 9~12 for details concerning functions and terminals.

Pro

High-brightness model suited to projection in large chambers.
Ideal for fixed installation on a ceiling or other surface.



XJ-H1700 XGA 4000 lumens 1.2X optical zoom Weight 7.1kg
XJ-H1750 XGA 4000 lumens 1.2X optical zoom Weight 7.1kg Network function Built-in media player



*Supported model: XJ-H1750

See pages 9~12 for details concerning functions, terminals and interfaces.



Function Guide [1] Helpful functions for preparation / startup

Startup

Instant ON & OFF [All models]

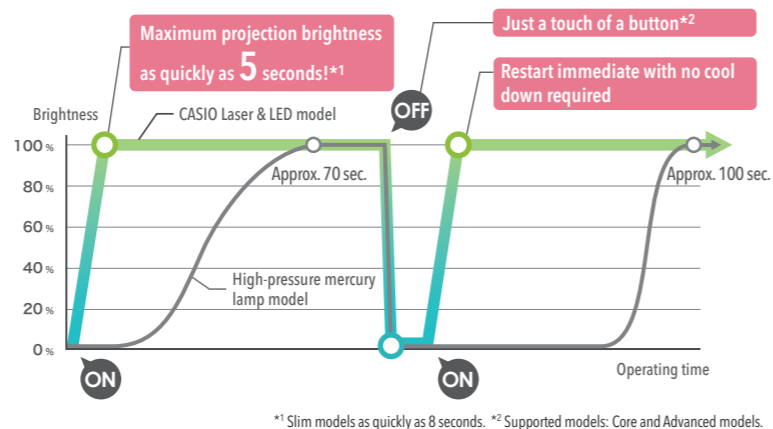
Attain maximum brightness as fast as 5* seconds after switching on the projector. Amazingly, Casio projectors require no cooling down time.

*As little as 8 seconds with slim models

Direct power ON [All models]

Simply plugging the AC cord into an electrical outlet starts projection automatically without pressing the power button.

*When Direct Power ON is selected.

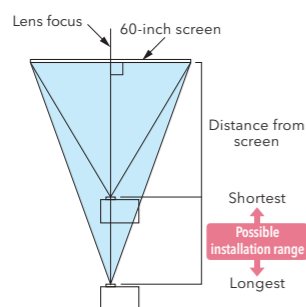


Installation

Optical zoom lens

The wide angle zoom lens enables installation in more variety of places.

*Magnification differs depending on the model.



Possible distances from the screen when projecting onto a 60-inch screen

| | Core Models | | Advanced Models | | Slim Models | | Pro Models |
|-----------------------------|---------------------|--------------|-------------------|--------------|-------------------|--------------|-------------------|
| | XGA | WXGA | XGA | WXGA | XGA | WXGA | XGA |
| Shortest*1 | Approx. 2.0m | Approx. 1.6m | Approx. 2.0m | Approx. 1.6m | Approx. 1.7m | Approx. 1.4m | Approx. 1.9m |
| Possible installation range | Approx. 0.9m | Approx. 0.8m | Approx. 0.9m | Approx. 0.8m | Approx. 1.7m | Approx. 1.4m | Approx. 0.4m |
| Longest*1 | Approx. 2.9m | Approx. 2.4m | Approx. 2.9m | Approx. 2.4m | Approx. 3.4m | Approx. 2.8m | Approx. 2.3m |
| Magnification | 1.5X optical zoom*2 | | 1.5X optical zoom | | 2.0X optical zoom | | 1.2X optical zoom |

*1 Distance from screen *2 XJ-V1/V2: 1.1X optical zoom; 1.8m~2.0m distance

Ceiling mounting [All models]

Ceiling mounting is an option in venues from meeting rooms and classrooms to display rooms.

*Images are projected upside down in the case of ceiling mounting.

Rear projection compatible [All models]

Projection from behind the screen is possible with images reversed from left to right. Even people passing across the front of the screen do not cast shadows.

Security

Security lock [All models]

A Kensington® standard lock hole is installed for use in preventing theft before it occurs.

*Use of a commercially available Kensington® anti-theft wire lock is recommended.

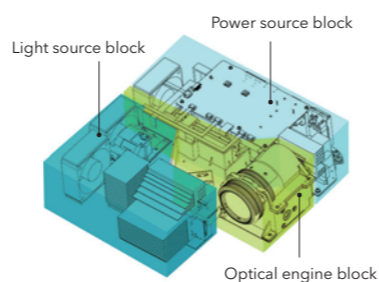
Security bar

A commercially available anti-theft chain or wire can be attached for enhanced theft prevention.

Dust resistance structure

The projector's 3-block internal structure effectively inhibits intrusion of dust into the optical engine block. Deterioration of projection luminance due to dust is dramatically reduced as a result.

*Image shows XJ-V1 structure.



Vertical keystone correction

Trapezoidal distortion caused by tilting the projector up or down can be corrected by adjustment in the range ±30°. Core (except XJ-V1/V2), Advanced, Slim and Pro models sense tilting of the projector and perform keystone correction automatically.



*The correction range varies depending on the model.

*Automatic vertical keystone correction not available in the ceiling mode. *Projected images are smaller after correction.

Digital screen shift

The projection screen size can be reduced without altering the ratio by changing the position of the projection up, down, or to the left or right electronically. This is useful for adjusting the projected image size or the projection positioning without moving the projector itself.

Control panel lock

This feature is useful for preventing mischief or incorrect operation by disabling key operation except for power ON & OFF on the main unit. Operation using the remote control or a remote terminal remains possible with the key lock activated.

Power ON password [All models]

The password is entered by remote control key at power ON. This helps to prevent unauthorized use.

Function Guide [2] Helpful functions for connecting

Networking functions

Use of the wireless LAN function to establish a wireless connection between the projector and a PC or tablet enables cable-free projection.

PC network projection applications [Network Connection]

Wireless communication (IEEE 802.11b/g/n) with a Windows® or Macintosh PC can be conducted when a wireless dongle is connected to the projector unit. Simultaneous projection with up to four projectors (4 split-screen displays) and simultaneous connection of up to 8 PCs are possible.

*Establishing an XJ-H1750 wireless LAN connection requires Wireless Connection 3. Wireless communication (IEEE 802.11b/g) can be conducted with a Windows® PC. Simultaneous projection with up to four projectors (4 split-screen displays) and simultaneous connection of up to 32 PCs are possible.

*Applications are available for downloading on the CASIO website.



Smart device applications [C-Assist]

Smart device apps enable cable-free projection of images such as teaching or other materials stored in a smartphone or tablet, website contents or photos taken with a built-in camera. Switching of input sources and volume adjustment can be handled by remote control, moreover, contributing to high-impact presentations and lessons.

*Supported models: XJ-F20XN/F200WN/F210WN, XJ-UT310WN, XJ-A147/A247/A257.

*Applications are available for Android from Google Play and for iOS from the App Store.

USB display

Projection can be conducted from a PC connected to the projector with a single USB cable. Audio output is supported in addition to image projection.

LAN display

Connection of a PC to the projector with a single LAN cable enables visual and audio projection.

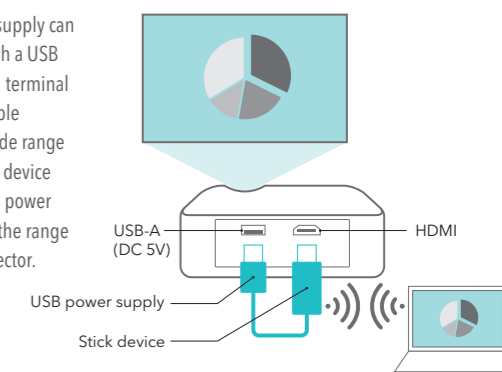
Graphic calculator connectivity

Establishing a USB connection enables screen projection of CASIO Graphic calculator contents. Connection with a CASIO scientific graphing calculator enables screen projection of its display images.

*Supported graphic calculators: ClassPad 330 PLUS / ClassPad II (fx-CP400) / fx-CG series / fx-9860GII / fx-9750GII. See the CASIO Website for details concerning the compatible graphic calculators: <http://edu.casio.com/support/projector/en/>

USB power supply

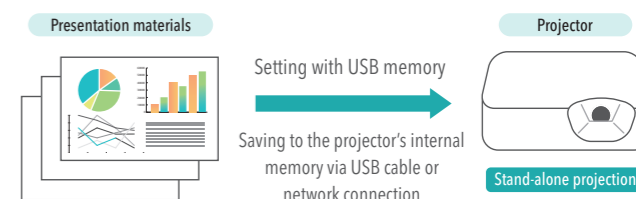
A DC 5V/2A power supply can be provided through a USB terminal. The HDMI terminal can be used to enable operation with a wide range of screen mirroring device without an external power source, expanding the range of uses for the projector.



Media player function

Playback is supported for various file formats. Presentation materials saved in a commercially available USB memory device or the projector's built-in memory can be projected without a PC.

*Supported models: XJ-F20XN/F200WN/F210WN, XJ-UT310WN, XJ-A147/A247/A257, XJ-H1750 (XJ-H1750 supports only USB memory)



[Compatible file formats]

Still images JPEG / BMP / PNG / GIF / PDF

Movies AVI (Motion JPEG / ADPCM)
MOV (H.264 / ADPCM&AAC / AAC)
MPEG-4 (H.264 / AAC)

*XJ-H1750 supported file formats: JPEG, BMP, AVI (Motion JPEG / ADPCM)

HDMI terminal

Connection of a PC, video device, or other devices enables output of high-quality video and audio. Advanced models are equipped with two terminals.

MIC. terminal

When a microphone is connected, vocals can be output through the projector speaker or external speakers in combination with audio from PC or AV equipment.

*Plug-in power type microphone are not supported.

Function Guide [3] Helpful functions for operation

Screen operation

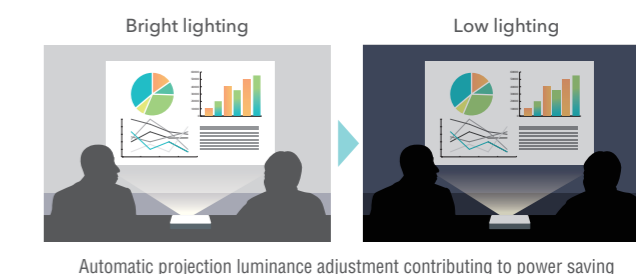
Intelligent light control

A built-in light sensor detects ambient light and controls the projection brightness in 7 different levels of brightness automatically.

*Slim, Ultra Short-throw and Pro models are equipped with an Intelligent Brightness Control function providing 5-step adjustment.

Instant Light Control

This function enables users to control the projection brightness in 7 steps manually by operating keys on the projector unit or the remote control.



Automatic projection luminance adjustment contributing to power saving

SPECIFICATIONS

| Function | Core Models | | | | | Advanced Models | | | | | Ultra Short-throw Model | Slim Models | | | | | | Pro Models | | | | |
|-----------------------------------|--|---|---|----------------------|---|--|--|--|---|---------------------------------------|--|--|--|--|---|--|----------------------|--|---|--|-----------|--|
| | XJ-V1 | XJ-V2 | XJ-V10X | XJ-V100W | XJ-V110W | XJ-F10X | XJ-F20XN | XJ-F100W | XJ-F200WN | XJ-F210WN | XJ-UT310WN | XJ-A142 | XJ-A147 | XJ-A242 | XJ-A247 | XJ-A252 | XJ-A257 | XJ-H1700 | XJ-H1750 | | | |
| Brightness*1 | 2700 lumens | 3000 lumens | 3300 lumens | 3000 lumens | 3500 lumens | 3300 lumens | | 3500 lumens | | 3000 lumens | | 2500 lumens | | | 3000 lumens | | | 4000 lumens | | | | |
| Display system | DLP® chip x1, DLP® system | | | | | DLP® chip x1, DLP® system | | | | | DLP® chip x1, DLP® system | | DLP® chip x1, DLP® system | | | | | | DLP® chip x1, DLP® system | | | |
| Display chip | XGA 0.55 inches 786,432 pixels (1024 dots x 768 dots) | | WXGA 0.65 inches 1,024,000 pixels (1280 dots x 800 dots) | | | XGA 0.55 inches 786,432 pixels (1024 dots x 768 dots) | | WXGA 0.65 inches 1,024,000 pixels (1280 dots x 800 dots) | | | WXGA 0.65 inches 1,024,000 pixels (1280 dots x 800 dots) | | XGA 0.55 inches 786,432 pixels (1024 dots x 768 dots) | | WXGA 0.65 inches 1,024,000 pixels (1280 dots x 800 dots) | | | | XGA 0.7 inches 786,432 pixels (1024 dots x 768 dots) | | | |
| Contrast ratio | 20000 : 1 | | | | | 20000 : 1 | | | | | 1800 : 1 | | 1800 : 1 | | | | | | 1400 : 1 | | | |
| Vertical keystone correction | ±30° (manual) | | +30° (automatic), ±30° (manual) | | | +30° (automatic), ±30° (manual) | | | | | ±5° (manual) | | +30° (automatic), ±30° (manual) | | | | | | +30° (automatic), ±30° (manual) | | | |
| Focus type | Manual focus*2 | | Manual focus | | | Manual focus | | | | | Manual focus | | Power focus | | | | | | Manual focus | | | |
| Projection lens | 1.1X manual zoom F=2.4-2.54/f=17.16-18.98 | | 1.5X manual zoom F=2.31-2.73/f=18.9-27.2 | | | 1.5X manual zoom F=2.31-2.73/f=18.9-27.2 | | | | | Fixed lens F2.3/4.2 | | 2.0X power zoom F=2.29-3.09/f=15.9-30.8 | | | | | | 1.2X manual zoom F=2.2-2.15/f=23.2-27.7 | | | |
| Projected image size | 30 to 300 inches | | 35 to 300 inches | | | 30 to 300 inches | | 35 to 300 inches | | | 50 to 110 inches | | 15 to 300 inches | | 18 to 300 inches | | | | 27 to 300 inches | | | |
| Projection distance | 60-inch | 1.79-1.99m | 1.95-2.87m | 1.64-2.42m | 1.95-2.87m | 1.64-2.42m | | | | 0.13m | | 1.70-3.36m | | 1.43-2.84m | | | | 1.96-2.34m | | | | |
| | 100-inch | 3.07-3.41m | 3.33-4.85m | 2.81-4.11m | 3.33-4.85m | 2.81-4.11m | | | | 0.40m | | 2.86-5.61m | | 2.41-4.75m | | | | 3.29-3.93m | | | | |
| | Minimum projection distance | 0.83m | 0.93m | 0.92m | 0.93m | 0.92m | | | | 0.06m | | 0.84m | | 0.84m | | | | 0.85m | | | | |
| Light source (estimated life) | Laser & LED (up to 20,000 hours) | | | | | Laser & LED (up to 20,000 hours) | | | | | Laser & LED (up to 20,000 hours) | | Laser & LED (up to 20,000 hours) | | | | | | Laser & LED (up to 20,000 hours) | | | |
| Color reproduction | Full color (up to 1.07 billion colors) | | | | | Full color (up to 1.07 billion colors) | | | | | Full color (up to 16.77 million colors) | | Full color (16.77 million colors) | | | | | | Full color (16.77 million colors) | | | |
| Scanning frequencies | Horizontal | 15-91kHz | | | | | 15-91kHz | | | | | 15-102kHz | | 15-91kHz | | | | | | 15-102kHz | | |
| | Vertical | 50-85Hz | | | | | 50-85Hz | | | | | 50-120Hz | | 50-85Hz | | | | | | 50-120Hz | | |
| Computer input | Native | XGA (1024x768) | | WXGA (1280x800) | | | XGA (1024x768) | | WXGA (1280x800) | | | WXGA (1280x800) | | XGA (1024x768) | | WXGA (1280x800) | | | | XGA (1024x768) | | |
| | Analog input signal | UXGA (1600x1200) | | WUXGA (1920x1200) | | | WUXGA (1920x1200) | | | | | UXGA (1600x1200) | | UXGA (1600x1200) | | | | | | UXGA (1600x1200) | | |
| | Analog input terminal | mini D-Sub 15 pin x1 | | mini D-Sub 15 pin x1 | | | mini D-Sub 15 pin x1 | | | | | mini D-Sub 15 pin x2 | | mini D-Sub 15 pin x1 | | | | | | mini D-Sub 15 pin x2 | | |
| | Monitor out terminal | — | | — | | | — | | | | | mini D-Sub 15 pin x1 | | — | | | | | | mini D-Sub 15 pin x1 | | |
| | Digital input signal | UXGA (1600x1200) | | WUXGA (1920x1200) | | | WUXGA (1920x1200) | | | | | UXGA (1600x1200) | | UXGA (1600x1200) | | | | | | UXGA (1600x1200) | | |
| Digital input terminal | HDMI Type A x1 | | HDMI Type A x1 | | | HDMI Type A x2 | | | | | HDMI Type A x1 | | HDMI Type A x1 | | | | | | HDMI Type A x1 | | | |
| Video input | Analog input signal | Component signal : 480i-1080p | | | | | Component signal : 480i-1080p, S/Composite : NTSC/PAL/PAL-N/PAL-M/PAL60/SECAM | | | | | Component signal : 480i-1080p, S/Composite : NTSC/PAL/PAL-N/PAL-M/PAL60/SECAM | | Component signal : 480i-1080p, Composite : NTSC/PAL/PAL-N/PAL-M/PAL60/SECAM | | | | | | Component signal : 480i-1080p, S/Composite : NTSC/PAL/PAL-N/PAL-M/PAL60/SECAM | | |
| | Analog input terminal | Component : YCbCr/YpBPr (used for both analog computer input and component input) | | | | | Component : YCbCr/YpBPr (used for both analog computer input and component input), Analog video : Composite (RCA) x1, S-video x1 | | | | | Component : YCbCr/YpBPr (used for both analog computer input and component input), Analog video : Composite (RCA) x1, S-video x1 | | Component : YCbCr/YpBPr (used for both analog computer input and component input), Analog video : 3.5 mm mini jack (used for both video input and audio input/output) | | | | | | Component : YCbCr/YpBPr (used for both analog computer input and component input), Analog video : Composite (RCA) x1, S-video x1 | | |
| | Digital signal (HDMI) | 480p-1080p (used for both digital computer input and digital video input) | | | | | 480p-1080p (used for both digital computer input and digital video input) | | | | | 480p-1080p (used for both digital computer input and digital video input) | | 480p-1080p (used for both digital computer input and digital video input) | | | | | | 480p-1080p (used for both digital computer input and digital video input) | | |
| Audio | Input | 3.5mm stereo mini jack x1 | | | 3.5mm stereo mini jack x1, RCA x1 [R/L] | 3.5mm stereo mini jack x1, RCA x1 [R/L] | 3.5mm stereo mini jack x1, RCA x1 [R/L] | 3.5mm stereo mini jack x1, RCA x1 [R/L], 3.5mm monaural mini jack (for Mic.) x1** | | | | 3.5mm stereo mini jack x2, RCA x1 [R/L], 3.5mm monaural mini jack (for Mic.) x1** | | 3.5 mm mini jack (used for both video input and audio input/output) | | | | | | 3.5mm stereo mini jack x2, RCA x1 [R/L] | | |
| | Output | 3.5mm stereo mini jack x1 (variable audio) | | | | | 3.5mm stereo mini jack x1 (variable audio) | | | | | 3.5mm stereo mini jack x1 (variable audio) | | 3.5mm stereo mini jack x1 (variable audio) | | | | | | 3.5mm stereo mini jack x1 | | |
| | Speaker | — | | | | | 16Wx1 monaural | | | | | 16Wx1 monaural | | 1Wx1 monaural | | | | | | 10Wx1 monaural | | |
| Other terminals | USB host | — | | | | | — | USB 2.0 Type-A x1**5 | — | USB 2.0 Type-A x1**5 | | | — | | — | USB 2.0 Type-A x1**5 | — | USB 2.0 Type-A x1**5 | — | USB 2.0 Type-A x1**5 | | |
| | USB power supply | — | | | | | 5V/2A USB Type-A x1 (dedicated power supply terminal) | 5V/2A (shared with USB host terminal) | 5V/2A USB Type-A x1 (dedicated power supply terminal) | 5V/2A (shared with USB host terminal) | | | — | | — | | | | | | — | |
| | USB function | USB 1.1 Micro-B x1**6 | | | | | — | USB 2.0 Type-B x1 | — | USB 2.0 Type-B x1 | | | USB 2.0 Type-B x1 | | — | USB 2.0 Micro-B x1 (back of projector) | — | USB 2.0 Micro-B x1 (back of projector) | — | USB 2.0 Micro-B x1 (back of projector) | — | USB 1.1 Type-B (for Interactive Pointing function) |
| | Control (Serial) | RS-232C (D-Sub 9 pin) x1 | | | | | RS-232C (D-Sub 9 pin) x1 | | | | | RS-232C (D-Sub 9 pin) x1 | | RS-232C x1 (requires separately available YK-60 converter cable) | | | | | | RS-232C (D-Sub 9 pin) x1 | | |
| LAN | — | | | | | — | RJ-45 x1 | — | RJ-45 x1 | | | RJ-45 x1 | | — | | | | | | RJ-45x1 | | |
| Internal memory storage | — | | | | | — | 2GB | — | 2GB | | | 2GB | | — | 2GB | — | 2GB | — | 2GB | — | | |
| Wireless LAN support | — | | | | | — | IEEE 802.11 b/g/n**8 (requires separately available YW-40 wireless LAN adaptor) | — | IEEE 802.11 b/g/n**8 (requires separately available YW-40 wireless LAN adaptor) | | | IEEE 802.11 b/g/n**8 | | — | IEEE 802.11 b/g/n**8 | — | IEEE 802.11 b/g/n**8 | — | IEEE 802.11 b/g/n**8 | IEEE 802.11 b/g**8 | | |
| Power requirements | AC 100 to 240V, 50/60Hz | | | | | AC 100 to 240V, 50/60Hz | | | | | AC 100 to 240V, 50/60Hz | | AC 100 to 240V, 50/60Hz | | | | | | AC 100 to 240V, 50/60Hz | | | |
| Power consumption | Operating (default setting) (Light Output 7) | 120 W**9 | 130 W**9 | 145 W | 125 W | 155 W | 160 W | | 165 W | 140 W | 165 W | 185 W**9 | | 115 W**9 | | | 120 W**9 | | | 270 W**9 | | |
| | Operating (minimum setting) (Light Output 1) | 70 W**10 | 75 W**10 | 75 W | 60 W | 80 W | 80 W | | 85 W | 70 W | 85 W | 110 W**10 | | 70 W**10 | | | 70 W**10 | | | 130 W**10 | | |
| | Operating (Bright) | 150 W | 165 W | 180 W | 150 W | 190 W | 195 W | | 205 W | 165 W | 205 W | 230 W | | 155 W | | | 165 W | | | 350 W | | |
| | Standby AC 100-120V Remote OFF/ON | 0.12W/- | | | | | 0.12W/- | 0.12W/1.9W | 0.12W/- | 0.12W/1.9W | | | 0.12W/2.3W | | 0.14W/- | | | | | | 0.4W/- | 0.4W/4.8W |
| Standby AC 220-240V Remote OFF/ON | 0.23W/- | | | | | 0.23W/- | 0.23W/2.3W | 0.23W/- | 0.23W/2.3W | | | 0.23W/2.6W | | 0.23W/- | | | | | | 0.4W/- | 0.4W/4.8W | |
| Approximate dimensions (WxHxD) | 269.5x88.5x269.5mm | | 299x97x299mm | | | 299x97x299mm | | | | | 338x153x333mm | | 297x43x210mm | | | | | | 400x106x323mm | | | |
| Approximate weight | 2.8kg | 2.9kg | 3.5kg | | | 3.8kg | | | | | 5.5kg | | 2.3kg | | | | | | 7.1kg | | | |
| Security compatibility | Kensington Compatible, Power On Password | | | | | Kensington Compatible, Power On Password | | | | | Kensington Compatible, Security Bar, Power On Password | | Kensington Compatible, Power On Password | | | | | | Kensington Compatible, Power On Password | | | |
| Included accessories**11 | Remote Control, Power Cord, Warranty Card | | | | | Remote Control, Power Cord, Warranty Card | | | | | Remote Control, Power Cord, RGB Cable, Warranty Card, Setup Guide, Cable Cover, Wireless LAN Adaptor | | Remote Control, Carrying Bag, Power Cord, RGB Cable, AV Cable, Warranty Card, Setup Guide, Wireless LAN Adaptor (only A147, A247 and A257) | | | | | | Remote Control, Carrying Bag, Power Cord, RGB Cable, Warranty Card, Setup Guide, User's Manual on CD-ROM, Wireless LAN Adaptor (only H1750) | | | |

*1 When "Bright" is selected for "Light Control Off mode" or "Eco Off mode". *2 Focus adjustment required when zoom changed. *3 Lifetime not guaranteed. *4 Plug-in power type microphone are not supported. *5 Connectable devices: CASIO digital camera, USB memory (Commercially available. Compatibility with all USB memory devices not guaranteed.). *6 For firmware update. *7 For firmware update and logo data registration. *8 With connection of wireless LAN adaptor to USB-A (Host) port. *9 Eco Level 1 when Eco Mode is "On". *10 Eco Level 5 when Eco Mode is "On". *11 User's manual and Network manual available for download on CASIO website.