# 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 CO_2 emissions.

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

Low Power Consumption
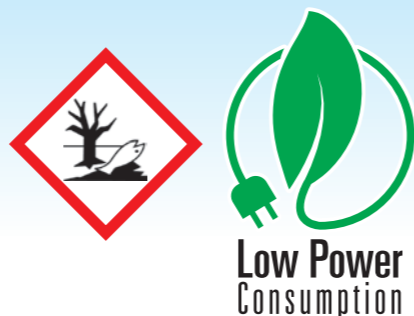
OPTION

■ 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.

PICTURE BY DLP® TEXAS INSTRUMENTS

Linkage to CASIO Digital Equipments

Digital cameras EXILIM
Project your photos and videos directly.

*Not compatible with SDXC format (ex-FAT format).

USB

*Require USB host terminal.

USB

Graphing Calculator
Connect the calculator to a data projector and project the calculator screen.
≫ Please check the following URL for details:
http://edu.casio.com/support/projector/
fx-CG20

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. ■PJLink 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/

project isle
.com.au
Where Projectors Roam Free

CASIO COMPUTER CO., LTD.
Tokyo, Japan

BS1603-050001A   Printed in Japan

CASIO®

LampFree
GO LAMP FREE AND SAVE

ZOOM
FOCUS

Stress-free Visual Communication

LASER & LED PROJECTOR

Core   Advanced   Ultra Short-throw   Slim   Pro

FOCUS
ZOOM

GLOBAL No.1 BRAND
in SSI PROJECTORS for 6 straight years

PICTURE BY DLP® TEXAS INSTRUMENTS

*Actual worldwide sales (2010 ~ 2015) Solid State Illumination Light Source

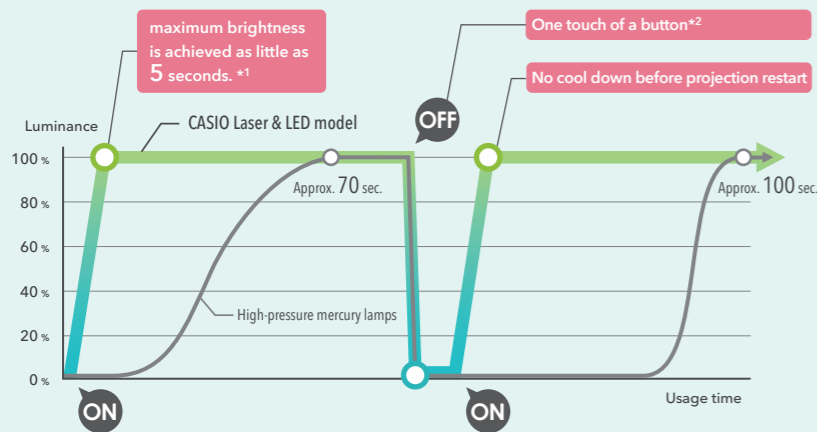**Sales: 1300 88 11 79**   ●   **www.Projectisle.com.au**

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.

maximum brightness is achieved as little as 5 seconds. *1

One touch of a button*2

No cool down before projection restart

Luminance

CASIO Laser & LED model

OFF

100 %
80 %
60 %
40 %
20 %
0 %

Approx. 70 sec.

Approx. 100 sec.

High-pressure mercury lamps

ON

ON

Usage time

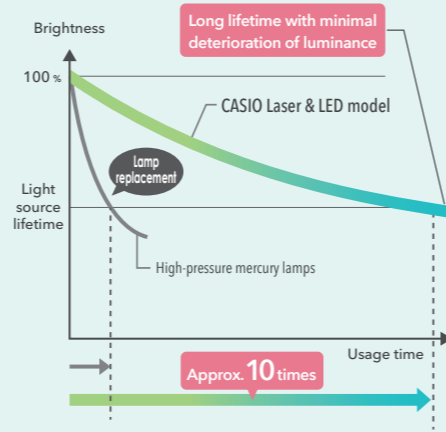*1 As little as 8 seconds with slim models   *2 Supported models: Core and Advanced models.

Reduced labor for trouble-shooting and little to no mainte nance required

Casio projectors can now be worrying about the expensive filter replacement. This could savings to your pocket.

used without mercury lamp and bring you ultimate

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.

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

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

Brightness

Long lifetime with minimal deterioration of luminance

100 %

CASIO Laser & LED model

Light source lifetime

Lamp replacement

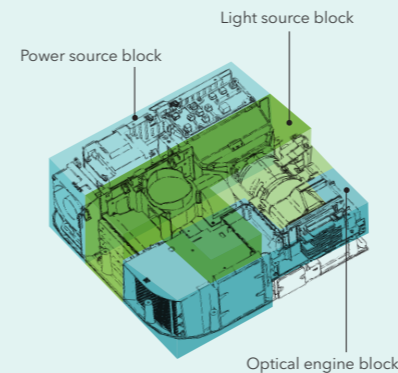High-pressure mercury lamps

Usage time

Approx. 10 times

*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

Light source block

Power source block

Optical engine block

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.

Approx. **40%** OFF

270W

165W

High-pressure mercury lamp model

XJ-V2
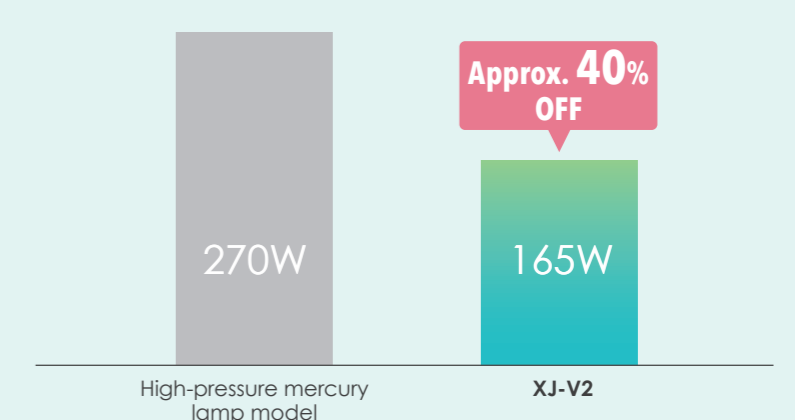
*Numerical figures represent comparisons between 3,000 lumens models.

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

---

GLOBAL No.1 BRAND in SSI PROJECTORS for 6 straight years *1
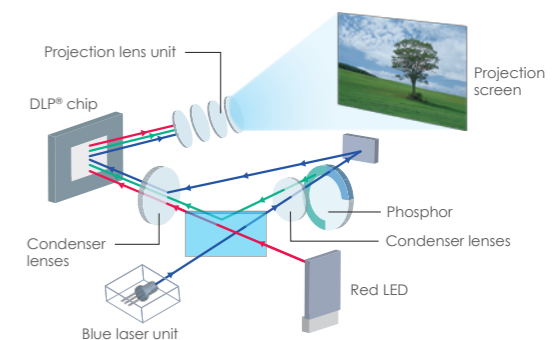
73% *2
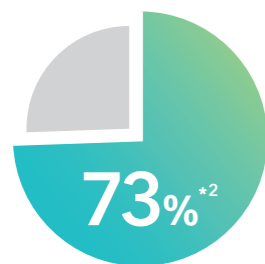
Entering a new era of Solid State Illumination Light Source Projectors.

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.

Projection lens unit

DLP® chip

Projection screen

Condenser lenses

Phosphor

Condenser lenses

Red LED

Blue laser unit

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

Small — Meeting rooms
Medium — Conference rooms / Classrooms
Large — Conference rooms / Large halls

Recommended screen size: 60~80-inch | 80~100-inch | 100-inch and above

Core — Page 5
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

Advanced — Page 6
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

Slim — Page 8
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

Ultra Short-throw — Page 7
Short-throw projection enabling installation in places with limited space.
- Wall-mounted classroom use
- Meeting rooms with space limitations

Pro — Page 8
High-luminance models suited to use in large, bright venues.
- Showrooms and event spaces
- Presentations in halls and large auditoriums

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

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

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.

Light source block
Power source block
Optical engine block
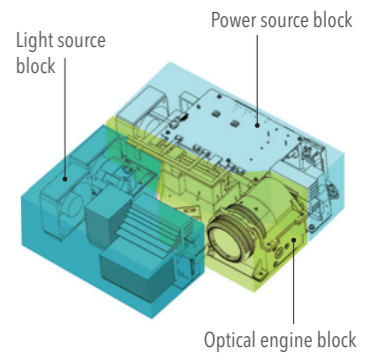
USB power supply
Support for smart presentations

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.
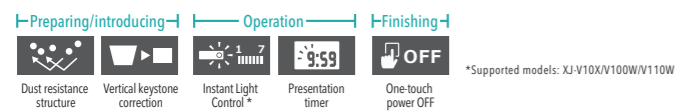
*Tested with devices are listed on the CASIO Website.

USB-A (DC 5V, 2A) — HDMI
WiDi/Miracast™ receiver
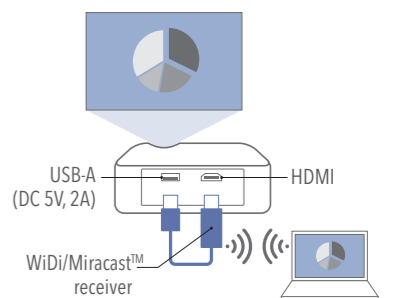
See pages 9~12 for function details.

Core

Multipurpose, cost-effective performance
for business or school.

XJ-V1/V2   XJ-V10X/V100W/V110W

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

MADE IN JAPAN

Preparing/introducing	Operation	Finishing

Dust resistance structure	Vertical keystone correction	Instant Light Control *	Presentation timer	One-touch power OFF

*Supported models: XJ-V10X/V100W/V110W

Quick startup & shutdown time [Instant ON & OFF]
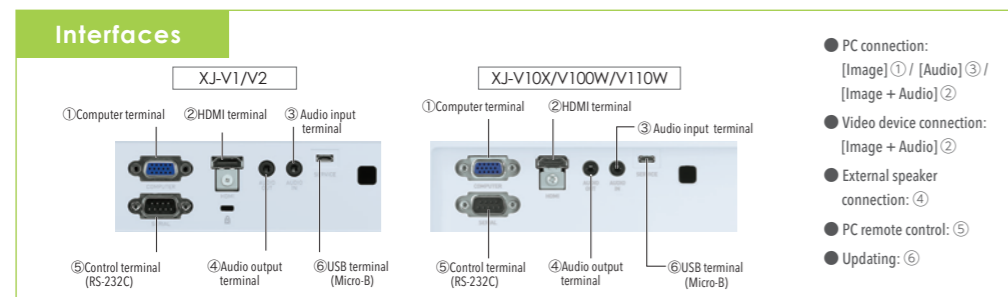
Instant ON & OFF

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.

- Maximum projection brightness in as little as 5 seconds
- Just one touch of a button
- Immediate return to projection at full brightness with no cool down necessary.

Luminance
Laser & LED model
OFF
100%
80%
60%
40%
20%
0%
Approx.70 sec.
High-pressure mercury lamp model
Approx.100 sec.
ON   ON
Usage time

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

TCO reduction

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.

[Comparison of total cost over 5 years]

Better cost performance

- Lamp cost
- Filter cost
- Electricity cost
- Purchase price

Mercury lamp projector   CASIO XJ-V1

*With use for 5 hours/day, 200 days/year. Eco mode "Eco 1" selected.

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

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).

Interfaces

XJ-V1/V2
① Computer terminal ② HDMI terminal ③ Audio input terminal
⑤ Control terminal (RS-232C) ④ Audio output terminal ⑥ USB terminal (Micro-B)

XJ-V10X/V100W/V110W
① Computer terminal ② HDMI terminal ③ Audio input terminal
⑤ Control terminal (RS-232C) ④ Audio output terminal ⑥ USB terminal (Micro-B)

- PC connection: [Image]① / [Audio]③ / [Image + Audio]②
- Video device connection: [Image + Audio]②
- External speaker connection: ④
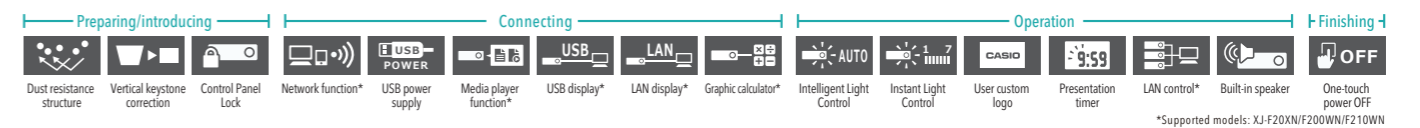- PC remote control: ⑤
- Updating: ⑥

Key Layout

POWER/STANDBY   INPUT
STATUS

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

5

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

MADE IN JAPAN

Preparing/introducing	Connecting	Operation	Finishing

Dust resistance structure	Vertical keystone correction	Control Panel Lock	Network function*	USB power supply	Media player function*	USB display*	LAN display*	Graphic calculator*	Intelligent Light Control	Instant Light Control	User custom logo	Presentation timer	LAN control*	Built-in speaker	One-touch power OFF

*Supported models: XJ-F20XN/F200WN/F210WN

Quick startup & shutdown time [Instant ON & OFF]
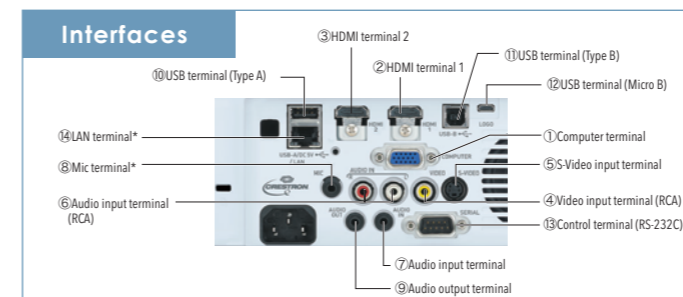
Instant ON & OFF   See page 5.

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.

16W
LAN
RGB
HDMI1
USB-A (DC 5V) USB power supply   HDMI2 stick device
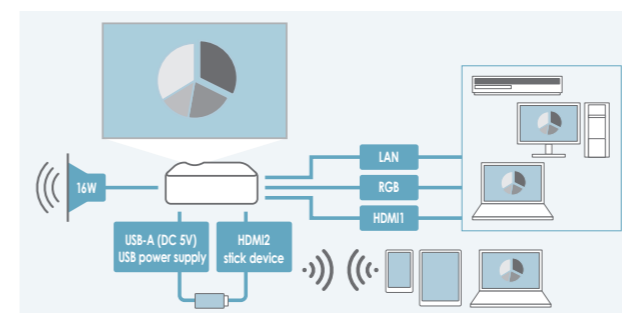
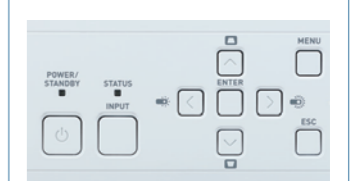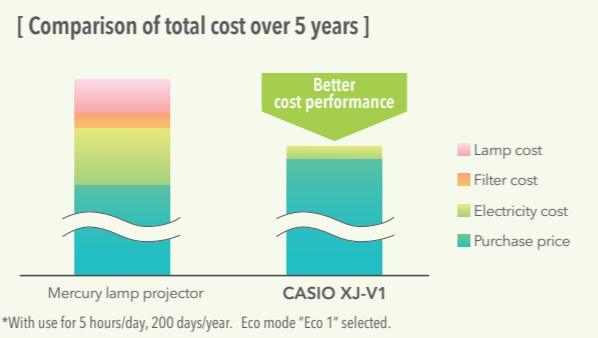## Automatic Brightness Control for smarter power savings

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 to even more power savings.

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

TCO reduction   See page 5.

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.
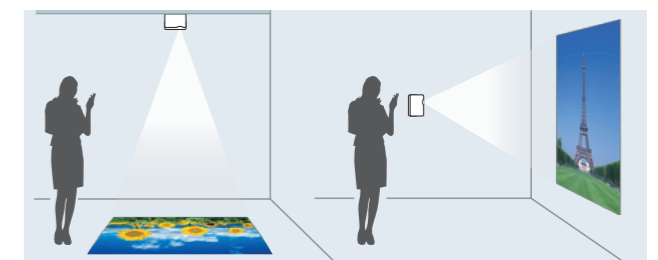
Networking & media player functions

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 too.

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

Interfaces

③ HDMI terminal 2
⑩ USB terminal (Type A)
② HDMI terminal 1
⑪ USB terminal (Type B)
⑫ USB terminal (Micro B)
⑭ LAN terminal*
⑧ Mic terminal*
① Computer terminal
⑤ S-Video input terminal
⑥ Audio input terminal (RCA)
④ Video input terminal (RCA)
⑬ Control terminal (RS-232C)
⑦ Audio input terminal
⑨ Audio output terminal

- PC connection: [Image]① / [Audio]⑦ / [Image + Audio] ②③⑪*⑭*
- Video device connection: [Image]④⑤ / [Audio]⑥ / [Image + Audio]②③
- Mic connection: ⑧*
- External speaker connection: ⑨
- USB power supply / USB memory* / External device connection*: ⑩
- Updating / Logo loading: ⑫
- PC remote control: ⑬⑭*

*Supported models: XJ-F20XN/F200WN/F210WN

Key Layout

POWER/STANDBY   STATUS   INPUT
MENU   ENTER   ESC

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

6

Ultra Short-throw

60-inch image projection from 13cm.
Remarkably space-saving installation.
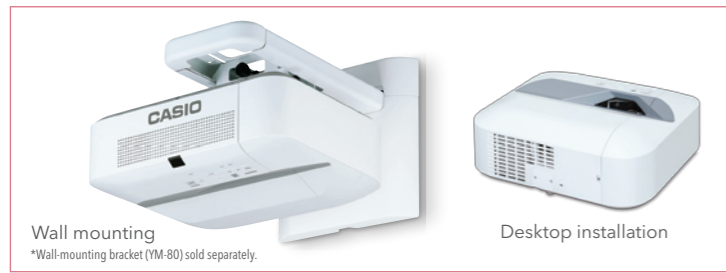
Wall mounting
*Wall-mounting bracket (YM-80) sold separately.

Desktop installation

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

Preparing/introducing
- Dust resistance structure
- Vertical keystone correction
- Control panel lock

Connecting
- Network function
- Media player function
- USB display
- LAN display
- Graphic calculator

Operation
- Intelligent Brightness Control
- User custom logo
- Presentation timer
- LAN control
- Built-in speaker

Quick startup & shutdown time [Instant ON & OFF]

Instant ON & OFF

See page 5.

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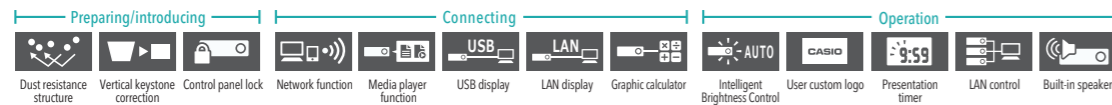
TCO reduction

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.

■ **Projection images**

13cm
60-inch screen

Conventional projector
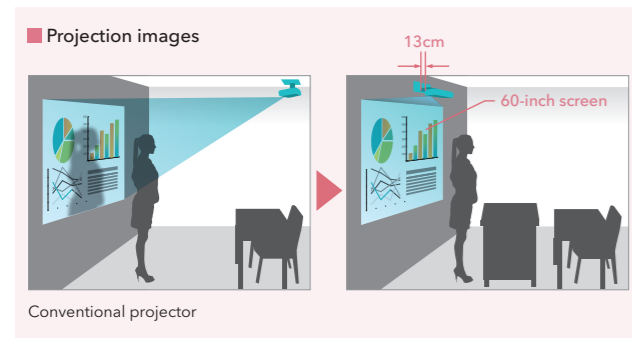
Dust-resistant design suited for installation

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.

Light source block
Power source block
Optical engine block
Filter block
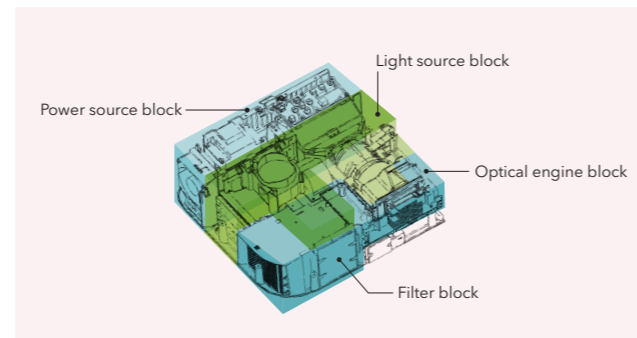
Various interfaces

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

- ⑫USB terminal (Type B)
- ⑯LAN terminal
- ⑭Monitor output terminal
- ③HDMI terminal
- ①Computer terminal 1
- ⑪USB terminal (Type A)
- ⑤S-Video input terminal
- ⑥Audio input terminal (RCA)
- ②Computer terminal 2
- ⑬USB terminal (Micro-B)
- ④Video input terminal (RCA)
- ⑨Mic terminal
- ⑮Control terminal (RS-232C)
- ⑦Audio input terminal 1
- ⑩Audio output terminal
- ⑧Audio input terminal 2

● PC connection: [Image]① ② / [Audio]⑦ ⑧ / [Image + Audio]③ ⑫ ⑯
● Video device connection: [Image]④ ⑤ / [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: ⑮ ⑯

Slim

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

WXGA model
XGA model

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

Preparing/introducing
- Vertical keystone correction
- Control Panel Lock

Connecting
- Network function*
- Media player function*
- USB display*
- Graphic calculator*

Operation
- Intelligent Brightness Control
- User custom logo
- Presentation timer
- Built-in speaker
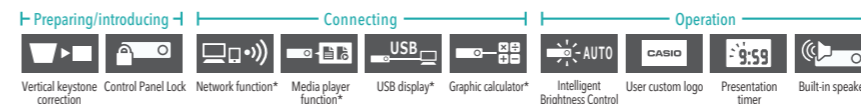
*Supported models: XJ-A147/A247/A257

Quick startup & shutdown time [Instant ON & OFF]

Instant ON & OFF

See page 5.

Long life, low energy consumption Helping to reduce TCO

TCO reduction

See page 5.

Mobile size for convenient portability

43mm
297mm
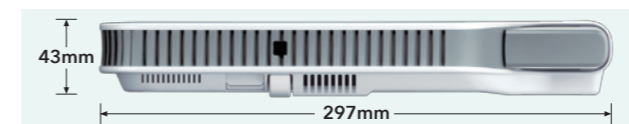
Wide-angle 2.0X zoom for greater installation freedom

Interfaces

- ①AV terminal
- ②Computer terminal
- ③HDMI terminal
- ④USB terminal (Type A)*
- ⑤⑬ USB terminal (Micro-B)*

● PC connection: [Image]② / [Audio]① / [Image + Audio]③
● Video device connection: [Image + Audio]① ③
● 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.

Model					
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

Preparing/introducing
- Vertical keystone correction
- Main unit key lock

Connecting
- Media player function*
- Scientific calculator connectivity*

Operation
- Intelligent Brightness Control
- LAN control*
- Built-in speaker
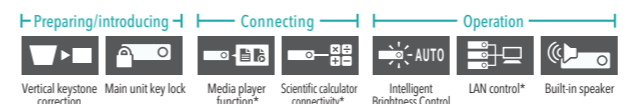
*Supported model: XJ-H1750

Startup

Instant ON & OFF [All models]

Attain maximum brightness as fast as 5* seconds after switching on the projector. Amazingly, Casio projectors requires 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.

Maximum projection brightness as quickly as 5 seconds!*1

Just a touch of a button*2

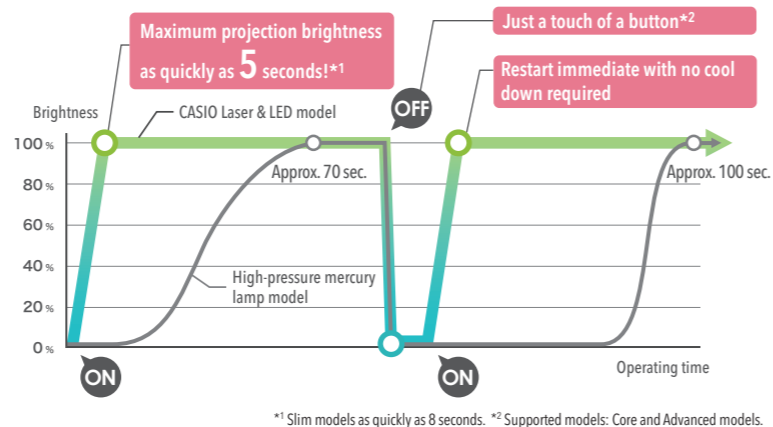**Restart immediate with no cool down required**

Brightness
100%
80%
60%
40%
20%
0%

CASIO Laser & LED model

Approx. 70 sec.

Approx. 100 sec.

High-pressure mercury lamp model

OFF

ON   ON

Operating time

*1 Slim models as quickly as 8 seconds.   *2 Supported models: Core and Advanced models.

Installation

Optical zoom lens

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

*Magnification differs depending on the model.

Lens focus — 60-inch screen

Distance from screen

Shortest

Possible installation range

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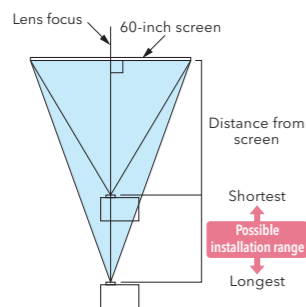
■ Possible distances from the screen when projecting onto a 60-inch screen

	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.

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.

Light source block
Power source block
Optical engine block
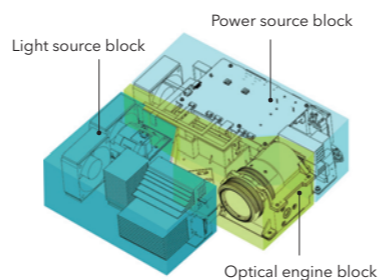
Vertical keystone correction

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.

Before correction   **After correction**
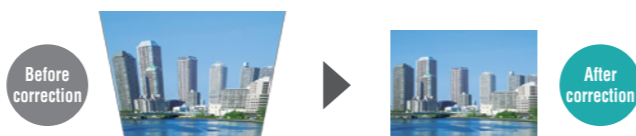
*The correction range varies depending on the model.
*Automatic vertical keystone correction not available in the ceiling mode. *Projected images are smaller after correction.

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.

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.

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.

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 an 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 / fx9860GII / fx-9750GII.See the CASIO Website for details concerning the compatible graphic calculators:
http://edu.casio.com/support/projector/en/
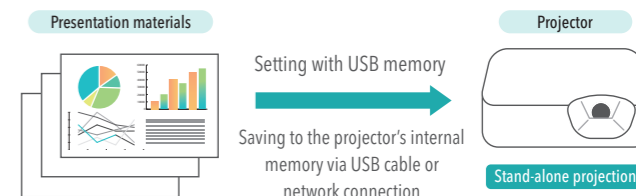
USB power supply

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.

USB-A (DC 5V)   HDMI

USB power supply

Stick device
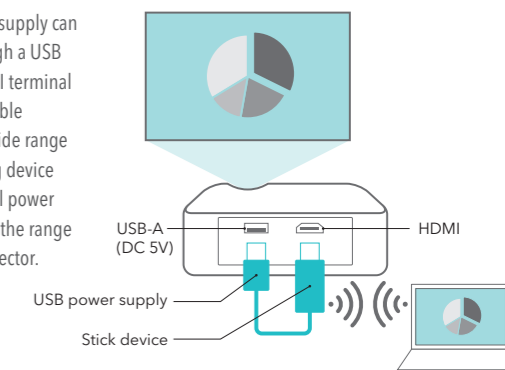
Media player function

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)

Presentation materials   Projector

Setting with USB memory

Saving to the projector's internal memory via USB cable or network connection

Stand-alone projection

[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.

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.

Bright lighting   Low lighting
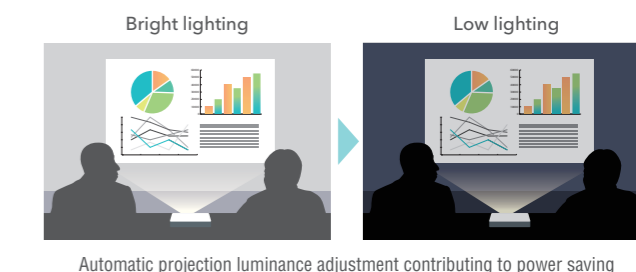
Automatic projection luminance adjustment contributing to power saving

Blank [All models]

Temporary extinguishing of image and audio playback from an input source

Freeze [All models]

Temporary display of images from an input source as still images (suspended motion)

Digital zoom [All models]

Magnification of displayed images with the 2X digital zoom. Scrolling on the screen for close-up display of selected areas is also possible.

Main unit control

Presentation timer

The passage of time during a presentation is displayed on the projection screen. The time remaining or time overruns can be checked at a glance.

Auto power OFF [All models]

If no operation is performed for a certain period, the power is turned OFF automatically.

Audio

Built-in speaker

A speaker is installed in the projector body. Not only projection but also effective audio production is possible.

*Output wattage differs depending on the model.

Color mode [All models]

Selection of desired image settings is possible from five modes depending on the projection content.

CASIO User custom logo

Corporate and brand logos can be registered in the projector and displayed on the startup screen, no-signal screen or blank screen.

*Logo image registration requires the dedicated CASIO Projector LOGO Loader application. It is available for downloading on the CASIO Website.

LAN control (PJLink®/Crestron compatible)

Remote control / monitoring of the projector can be conducted from a PC via a wired LAN. Compatibility with PJLink® and Crestron enables centralized management of the projector on a network.

Mute [All models]

Temporary extinguishing of audio playback alone from an input source

---

Function Guide [4] Helpful functions for finishing

OFF One-touch power OFF

The power can be turned off with the touch of a button without display verification. The machine can be put away immediately with no cool down necessary.

Direct power OFF [All models]

Turns power OFF without key operation by simply disconnecting the AC power cord. The power can also be off with the table tap switch.

Interface Compatibility

Model	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
	Core Models					Advanced Models					UST Model	Slim Models						Pro Models	
Computer terminal	●	●	●	●	●	●	●	●	●	●	●×2	●	●	●	●	●	●	●×2	●×2
Monitor output terminal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	●
USB terminal (Type A)	—	—	—	—	—	Power supply function only	●	Power supply function only	●	●	●	—	●	—	●	—	●	—	●
USB terminal (Type B)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
USB terminal (Micro-B)	●	●	●	●	●	●	●	●	●	●	—	●×2	●	●×2	●	●×2	●	—	—
HDMI terminal	●	●	●	●	●	●×2	●×2	●×2	●×2	●×2	●	●	●	●	●	●	●	●×2	●×2
S-Video terminal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	●	●
Video input terminal (RCA)	—	—	—	—	—	●	●	●	●	●	—	●	●	●	●	●	●	●	●
Audio input terminal (RCA)	—	—	—	—	—	●	●	●	●	●	—	●	●	●	●	●	●	●	●
Audio input terminal	●	●	●	●	●	●	●	●	●	●	●×2	—	—	—	—	—	—	●×2	●×2
AV terminal	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	—	—
Mic terminal	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	●	●
Audio output terminal	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	●	●
Control terminal (RS-232C)	●	●	●	●	●	●	●	●	●	●	●	▲*	▲*	▲*	▲*	▲*	▲*	●	●
Wired LAN terminal (RJ-45)	—	—	—	—	—	●	●	●	●	●	●	—	●	—	●	—	●	●	—

*Compatible with separately available YK-60 serial conversion cable.

● **Computer terminal:** Connection to a PC for projection of PC images.
● **Monitor output terminal:** Connection to a PC or other monitor to enable simultaneous display.
● **USB terminal (Type A):** Connection to USB memory enabling PC-free presentations.
● **USB terminal (Type B/Micro-B*):** USB function compatibility. *Micro-B ×1 for firmware updating included.
● **HDMI terminal:** Connection with a single cable for high-quality digital image / audio reproduction / playback.
● **S-Video terminal:** Connection to a video deck or DVD equipment for projection of high-quality images.
● **Video input terminal (RCA):** Connection to a pin jack (RCA) video output terminal for image projection.
● **Audio input terminal (RCA):** Connection to a pin jack (RCA) audio output terminal for sound playback.
● **Audio input terminal:** Connection to a PC and playback of PC audio output on built-in speaker. *Core models require external speaker connection.

● **AV terminal:** Connection of a dedicated AV cable to a pin jack (RCA) video / audio output terminal for image / audio reproduction / playback. Connection for audio output through external speakers also enabled.
● **Mic terminal:** Connection to a microphone for audio playback on a built-in speaker. *Plug-in power type microphones are not supported.
● **Audio output terminal:** Connection to external speakers for audio playback.
● **Control terminal (RS-232C):** Control of projector power ON & OFF from a PC. *Separately available conversion cable (YK-60) required for Slim models.
● **Wired LAN terminal (RJ-45):** Remote control / monitoring of the projector on a PC. Image projection using a wired LAN also supported (except XJ-H1750).

Supported functions

Model	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
	Core Models					Advanced Models					UST Model	Slim Models						Pro Models	
Brightness (lumens)	2700	3000	3300	3000	3500	3300	3300	3500	3000	3500	3100	2500				3000		4000	
Instant ON	Minimum 5 seconds					Minimum 5 seconds					Minimum 5 seconds	Minimum 8 seconds						Minimum 5 seconds	
Zoom lens	1.1X		1.5X			1.5X					Fixed	2.0X						1.2X	
Vertical keystone correction	Manual		Auto/ manuall			Auto/ manual					Manual	Auto/ manual						Auto/ manual	
Digital screen shift	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—
Control panel lock	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Security bar	—	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—
Network Connection	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	●	—
C-Assist	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	—	—
USB power supply	—	—	—	—	—	5V/2A						—	—	—	—	—	—	—	—
Media player function	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	—	—
USB display	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	—	—
LAN display	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	—	—
Graphic calculator connectivity	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	—	—
Intelligent Light Control	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—	—	—	—	—
Instant Light Control	—	—	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—
Intelligent Brightness Control	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	●	●
User Custom Logo	—	—	—	—	—	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Presentation timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
LAN control	—	—	—	—	—	—	●	—	●	●	●	—	●	—	●	—	●	●	●
Built-in speaker	16W × 1 monaural										16W × 1 monaural	1W × 1 monaural						10W × 1 monaural	
One-touch power OFF	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—
Dust resistance structure	●	●	●	●	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—

[All model functions]
Instant ON & OFF, Direct power ON, Ceiling mounting, Rear projection compatibility, Security lock, Power ON password, Blank, Freeze, Digital zoom, Color mode, Auto power OFF, Mute, Direct power OFF

Projection distances / Possible installation angles

WXGA (16 : 10) models

Model	XJ-V100W/V110W			XJ-F100W/F200WN/F210WN			XJ-UT310WN		XJ-A242/A247/A252/A257		
	Core Models			Advanced Models			UST Model		Slim Models		
Screen size	W × H (aspect ratio* 16 : 10)										
	Shortest	Longest	h	Shortest	Longest	h	Projection distance	h	Shortest	Longest	h
40-inch	0.9m×0.5m	1.06m	1.58m	9cm	1.06m	1.58m	9cm	—	—	0.95m	1.88m	9cm
60-inch	1.3m×0.8m	1.64m	2.42m	13cm	1.64m	2.42m	13cm	0.13m	27cm	1.43m	2.84m	14cm
80-inch	1.7m×1.1m	2.23m	3.26m	18cm	2.23m	3.26m	18cm	0.27m	32cm	1.92m	3.79m	18cm
100-inch	2.2m×1.3m	2.81m	4.11m	22cm	2.81m	4.11m	22cm	0.40m	38cm	2.41m	4.75m	23cm
150-inch	3.2m×2.0m	4.26m	6.22m	34cm	4.26m	6.22m	34cm	—	—	3.63m	7.13m	34cm
200-inch	4.3m×2.7m	5.72m	8.32m	45cm	5.72m	8.32m	45cm	—	—	4.86m	9.52m	45cm
300-inch	6.5m×4.0m	8.62m	12.54m	67cm	8.62m	12.54m	67cm	—	—	—	—	68cm

*The aspect ratio is the ratio of a screen's width to height. •Projection distances are approximations.

XGA (4 : 3) models

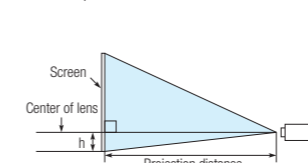| Model	XJ-V1/V2			XJ-V10X			XJ-F10X/F20XN		XJ-A142/A147		XJ-H1700/H1750	
	Core Models						Advanced Models		Slim Models		Pro Models	
Screen size	W × H (aspect ratio* 4 : 3)											
	Shortest	Longest	h	Shortest	Longest	h	Shortest	Longest	Shortest	Longest	Shortest	Longest
40-inch	0.8m×0.6m	1.15m	1.28m	13cm	1.27m	1.88m	1.27m	1.88m	1.12m	2.22m	1.29m	1.55m
60-inch	1.2m×0.9m	1.79m	1.99m	20cm	1.95m	2.87m	1.95m	2.87m	1.70m	3.36m	1.96m	2.34m
80-inch	1.6m×1.2m	2.43m	2.70m	27cm	2.64m	3.86m	2.64m	3.86m	2.28m	4.48m	2.63m	3.14m
100-inch	2.0m×1.5m	3.07m	3.41m	34cm	3.33m	4.85m	3.33m	4.85m	2.86m	5.61m	3.29m	3.93m
150-inch	3.0m×2.3m	4.67m	5.18m	50cm	5.04m	7.33m	5.04m	7.33m	4.30m	8.43m	4.96m	5.92m
200-inch	4.1m×3.0m	6.27m	6.95m	67cm	6.76m	9.82m	6.76m	9.82m	5.74m	11.24m	6.62m	7.91m
300-inch	6.1m×4.6m	9.47m	10.49m	101cm	10.18m	14.78m	10.18m	14.78m	8.65m	—	9.95m	11.88m

*The aspect ratio is the ratio of a screen's width to height. •Projection distances are approximations.

Possible installation angles *Figures are angles relative to the horizontal.

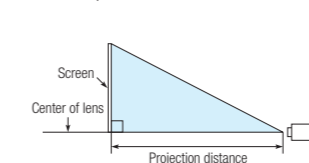| Device	Up/down inclination	Left/right inclination
Core Models XJ-V1/V2	360°	±30°
Core Models XJ-V10X/V100W/V110W	360°	360°
Advanced Models	360°	360°
UST Model	360°	±20°
Slim Models	±30°	360°
Pro Models	±30°	±30°

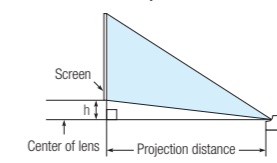■ **WXGA (16 : 10) models** *Except Ultra Short-throw Model
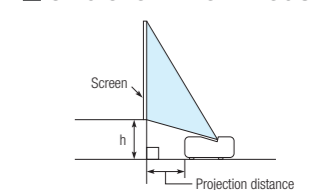■ **XGA (4 : 3) models** *Except XJ-V1/V2
■ **Core Models** *XJ-V1/V2 only
■ **Ultra Short-throw Model**

*Projection distance: Distance from the edge of the case to the screen with Core, Advanced and Ultra Short-throw models.

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	3500 lumens		3100 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	Manual focus						Power 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/f4.2	2.0X power zoom; F=2.29-3.09/f=15.9-30.8						1.2X manual zoom; F=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 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 monaural mini jack (for Mic.) x1*4	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*4		3.5mm stereo mini jack x2, RCA x1 [R/L], 3.5mm monaural mini jack (for Mic.) x1*4	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	
	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 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 1.1 Micro-B x1*7	USB 2.0 Type-B x1; USB 1.1 Micro-B x1*7	USB 1.1 Micro-B x1*7	USB 2.0 Type-B x1; USB 1.1 Micro-B x1*7		USB 2.0 Type-B x1; USB 1.1 Micro-B x1*7	USB 1.1 Micro-B x1 (side of projector)*7	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-45×1
Internal memory storage		—					—	2GB	—	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) *including projections		269.5x88.5x269.5mm		299×97×299mm			299×97×299mm					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 down loading on CASIO website.