

CASIO[®]

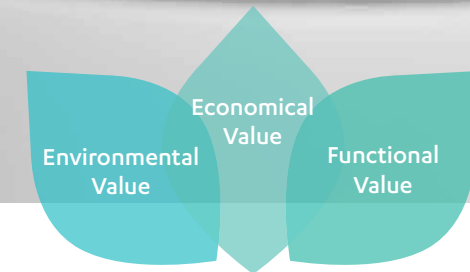
 **LampFree**
CASIO Green Technology



Best technology,
amazing performance

Efficient projectors from CASIO

Leaving a beautiful planet for future generations



Environmental Value:

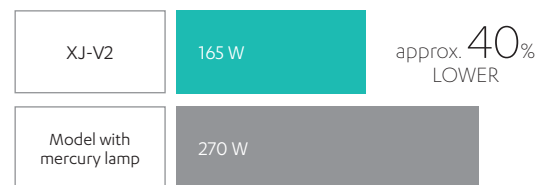
Saves resources, does not use toxic mercury and improves the carbon footprint

The CASIO LampFree projector offers environmental benefits. Because it has no mercury lamp, the projector does not need harmful mercury. Countless projectors with mercury lamps are still used around the world, but by promoting the sustainable LampFree projector, CASIO is setting a new standard that relieves the burden on the environment.

No harmful mercury is used. Our unique laser and LED hybrid light source works completely without mercury lamps and thus without the pollutant mercury. We are therefore preventing contamination of the soil and water and adverse health effects.

Lower resource consumption, because neither lamps nor filters need to be replaced. In contrast to mercury lamp projectors, no lamps or filters need to be replaced with this projector. This is our contribution to a more considerate use of resources.

Reduced power consumption, increased energy efficiency and reduction of CO₂ emissions. With an energy consumption that is 40 to 50 percent lower than in models with mercury lamps, we are helping to reduce CO₂ emissions.



Numerical values from the comparison of models with 3,000 lumens.

Economical Value:

Integrated cost saving

With outstanding projection performance, alongside the revolutionary laser & LED hybrid light source, CASIO projectors are characterised by one thing in particular: long-term cost-effectiveness. The freedom from maintenance requirements for lamps or filters, the low power consumption and the particularly long service life mean that CASIO LampFree projectors allow for real cash savings when it comes to running costs.

Durable light source. Up to 15 years¹ running time. The CASIO laser & LED hybrid light source offers not just outstanding projection performance, but is also able to maintain this performance long-term without losing brightness.

CASIO also offers additional investment security: extra-long warranty protection on the light source for up to 5 years or up to 10,000 hours².



All are united by innovation

Functional Value: Ready to use in any environment

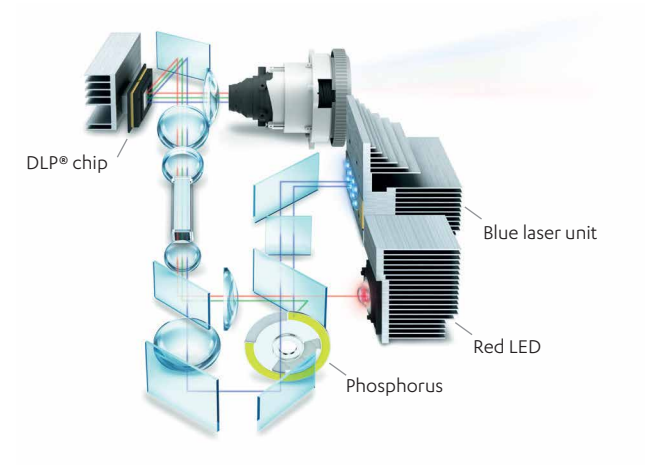
Thanks to the long service life of the laser & LED hybrid light source, CASIO projectors offer a level of reliability in day-to-day operation that owners of conventional lamp projectors can only dream of: no sudden lamp failures, meaning no more interruptions of use.

The unique dust-resistant design minimises any loss of brightness caused by dust.³ We use a dust-resistant design for the three component blocks with the optical engine, the light source and the power supply. As no dust can enter the optical block, dust-related loss of brightness is minimised.

Efficient: Ready to start at the touch of a button

With CASIO projectors, long waiting times and inconvenient warm-up and cool-down phases are a thing of the past. Thanks to the Direct On/Off function, they reach their full brightness after a maximum of eight seconds – all at the touch of a button. And that saves precious time. Lessons can start immediately and follow a more flexible structure. Set-up and clear-up times for business presentations are also made considerably shorter.

Direct
ON/OFF



Instead of being produced with a mercury lamp, the brilliant images from CASIO are created by the revolutionary light source consisting of laser and LED.

Awarded TCO certification

The use of pioneering concepts pays off: There are currently seven CASIO projectors that have already been awarded TCO certification. TCO Certified is an international, independent sustainability certification for IT products. The seal of approval is recognised worldwide and helps with identifying premium quality and environmental protection standards in IT equipment. A decisive factor is that a TCO Certified projector from CASIO already meets the rising demands of the most stringent sustainability requirements.

Japan – the home of quality

Japan is the home of CASIO. Japan is also a country that represents high quality with regard to the manufacture of premium products. Producing all devices⁴ from the current series in Japan itself is therefore an obvious choice for CASIO – "Made in Japan" is a claim that can be made for all current projectors⁴ from CASIO – a true guarantee of each product's origin and quality.

³ Relevant models: Core models, Advanced models, Ultra Short Throw models.

⁴ Except XJ-L8300HN

Large venue 4K UHD

Bringing Large-Screen UHD Presentations to Large Audiences



XJ-L8300HN

The pioneering XJ-L8300HN 4K projector turns visions into reality and turns your presentation into a unique experience. It offers an extremely sharp 4K UHD resolution (3,840 x 2,160 px) with the highest degree of detail and vivid colours. The resolution is four times greater than full HD and, when combined with the brightness of up to 5,000 lumens, produces brilliant images that will amaze, even in rooms with large projection surfaces.

The projector uses super resolution processing of images/movies such as 1080p video to throw high-quality images/movies perfectly suited to 4K Ultra HD panels. In addition, this large-scale projector also offers environmentally friendly functions and low operational costs. The elegant design blends seamlessly into any room and the vertical and horizontal lens shift function gives you flexibility when installing the projector.

The unit offers a variety of connection options, such as a digital HDBaseT™ interface. This makes it a cost-effective way of transmitting high-resolution image data with just one cable. The flexibility can be extended even further, for example with an additional LAN connection, 2x HDMI (2.0 and 1.4) and much more.

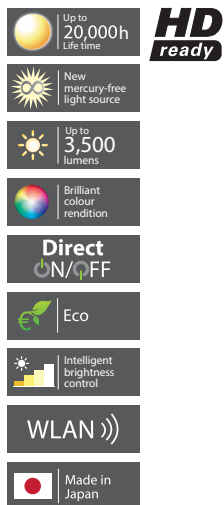


Advanced series

The perfect allrounder



XJ-F100W | XJ-F210WN | XJ-F20XN | XJ-F10X



For the new Advanced series, flexibility is key: Thanks to the wide range of connection options, these projectors can be connected anytime and anywhere, and are ideal for use both for stationary use and in mobile applications. The optional WLAN capability (XJ-F20XN and XJ-F210WN) enables convenient wireless projection.

The Direct On/Off function means that there are no more long warm-up and cool-down times for the Advanced projectors: They reach their full brightness within just five seconds and can be packed away within seconds of being switched off. The dynamic brightness control offers seven projection brightness levels to adjust to the ambient light – fully automatically and us-

ing sensor control. This ensures a very high level of energy efficiency with optimum image quality.

The environmentally friendly and long-lasting light source provides up to 3,500 lumens at a contrast ratio of 20,000:1. The Advanced series thus sets a persuasive example in terms of picture quality and brightness.



* These models are TCO Certified: XJ-F100W, XJ-F210WN

Core series

The cost-efficient entry



XJ-V2

The Core series makes it easy to get started in the world of daylight projectors. This is because, like all CASIO projectors, these models use the revolutionary laser & LED hybrid light source but remain a cost-effective purchase. The environmentally friendly light source saves energy, reduces operating








costs and at the same time is the reason for the long service life. With functions like Direct On/Off, the projector can be used in seconds. This means that it is extremely flexible, ready for any application and offers impressive results even in daylight.

Thanks to the rounded edges, the Core series also offers visual appeal, as the controls are combined perfectly with the high-quality design. So, if you are looking for a cost-effective and attractive model with exceptional projection results that is also easy to use, the Core series is the solution for you.





XJ-V10X | XJ-V100W | XJ-V110W

-  Up to 20,000h Life time
-  New mercury-free light source
-  Up to 3,500 lumens
-  Brilliant colour rendition
- Direct ON/OFF**
-  Eco
-  Instant Light Control
-  Made in Japan

HD ready

The models of the Core series offer even greater flexibility when positioning the projectors: Thanks to the 1.5x optical zoom lens, the projection surface can now be adjusted even more precisely. With a light output of up to 3,500 lumens, projections can be viewed in brilliant colour, even in very bright environments. The Instant Light Control feature offers seven

brightness levels, enabling the projection brightness to be adjusted depending on the ambient light. This conserves energy and ensures optimum image quality. The new, stylish Core projectors also start very quickly: They reach their full brightness within just five seconds of switching on – long warm-up times are a thing of the past. The projector cools down

quickly too – it shuts down in just a few seconds and can be packed away immediately.

Despite the high performance level, operating costs are low: The 3,500-lumen model uses up to 40% less power than conventional projectors and offers a long service life of up to 20,000 hours.



* These models are TCO Certified: XJ-V100W, XJ-V110W

Green Slim series

Flexible and mobile



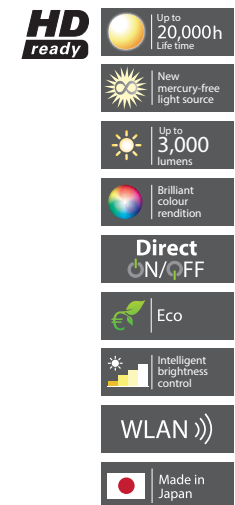
XJ-A142 | XJ-A147 | XJ-A242 | XJ-A247 | XJ-A252 | XJ-A257

Always at your side and ready to go! The projectors from the Green Slim series have been specially developed for mobile use and feature an impressive ultra-thin, high-quality design. Their dimensions are the same as a block of A4 paper with a height of just 43 mm. This means that they fit conveniently into any bag and are easy to take with you anywhere. Whether for short or long projec-

tion distances, bright or dark light conditions, the projectors adapt to every situation and always provide a large picture thanks to its 2x optical zoom and dynamic brightness control.

These outstanding features make the Green Slim series suitable for fixed installation too – the projectors are so flexible that they can easily be adapted to the projection

options of the room. Existing ceiling brackets can almost always be used in the case of replacements. These projectors also create brilliant images with up to 3,000 lumens. Finally, the Direct On/Off, WLAN capability and internal 2-GB memory* ensure lightning-fast deployment and even more freedom when you are giving presentations.



Ultra Short Throw series

A brilliant solution for every whiteboard



Ceiling mounting YM-80: optional



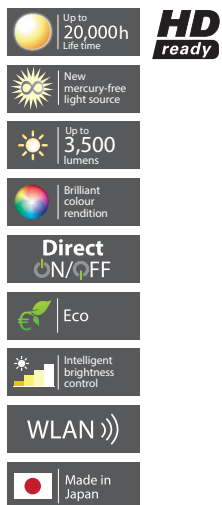
XJ-UT351W | XJ-UT351WN | XJ-UT311WN

Do you need to produce large images over short distances? The education sector in particular is often restricted to very short projection distances due to the use of interactive whiteboards. The projectors from the Ultra Short Throw series easily cope with this, using a throw ratio of 0.28:1 and up to 3,500 lumens. As they are positioned near to the projection sur-

face, they also allow glare-free and shadow-free presentations. They therefore offer even more freedom when planning lessons.

Thanks to the laser & LED hybrid light source, you are also free from inconvenient and costly lamp replacements. Instead, they are fully ready for use for up to 20,000 hours, which means that classes are not

interrupted by lamps failing and no more learning time is lost. Risks are also eliminated for the projector itself – nothing can accidentally break off, because there are no fold-out mirrors. There are no more barriers to a modern teaching session with perfect projection – even over extremely short distances.



The technical highlights at a glance:

		Large Venue 4K UHD	Advanced series				
		XJ-L8300HN	XJ-F100W	XJ-F210WN	XJ-F20XN	XJ-F10X	XJ-V2
Display	Technology:	0.66" DLP® chip	0.65" DLP® chip (WXGA)		0.55" DLP® chip (XGA)		0.55" DLP® chip (XGA)
	Resolution:	3,840 x 2,160 pixels (4K UHD)	1,280 x 800 pixels (WXGA)		1,024 x 768 pixels (XGA)		1,024 x 768 pixels (XGA)
Illumination technology	Type:	Laser technology	Laser & LED hybrid technology				Laser & LED hybrid technology
	Service life:	Up to 20,000 hours	Up to 20,000 hours				Up to 20,000 hours
	Brightness:	5,000 L	3,500 L			3,300 L	3,000 L
	Dynamic brightness control:	–	yes				–
Picture	Contrast/colour depth:	20,000:1/up to 1.07 billion (full colour)	20,000:1/up to 1.07 billion (full colour)				20,000:1/up to 1.07 billion (full colour)
Projection lens	Technology:	1.5x optical zoom	1.5x optical zoom				1.1x optical zoom
	Projection ratio (distance:image width):	1.38–2.02:1	1.32–1.93:1		1.66–2.42:1		1.54–1.71:1
	Offset:	–	33%		50%		72%
Projection	Size of the projection screen:	95" (2.4 m) – 200" (5.1 m)	35" (0.89 m) – 300" (7.62 m)		30" (0.76 m) – 300" (7.62 m)		30" (0.76 m) – 300" (7.62 m)
Lens shift	Vertical/horizontal (manual):	±60% / ±25%	–				–
Keystone correction		–	Vertical (automatic/manual): +30°/ ±30°				Vertical (manual): ±30°
Interfaces	Computer:	1x 15-pin RGB in/out	1x 15-pin D-sub (VGA)				1x 15-pin D-sub (VGA)
	Digital input:	1x HDMI1: HDMI type A (HDMI 2.0/ HDCP 2.2), 1x HDMI2: HDMI type A (HDMI 1.4/HDCP 1.3), HDBase™	2x HDMI connection				1x HDMI connection
	Video:	–	S-Video terminal/RCA pin terminal (composite)				–
	Audio:	Output terminal: 1x 3.5 mm stereo mini jack (variable audio output)	Input terminal: 1x 3.5 mm stereo mini jack; RCA pin terminal (composite) Output terminal: 1x 3.5 mm stereo mini jack (variable audio output)				Input terminal: 1x 3.5 mm stereo mini jack Output terminal: 1x 3.5 mm stereo mini jack (variable audio output)
	Microphone input:	–	–	1x 3.5 mm monaural mini jack	–	–	
	Control inputs:	RS-232C/LAN RJ-45	RS-232C	RS-232C/LAN RJ-45	RS-232C	RS-232C	
	USB:	USB type A / DC (5 V 2 A), yes (Mini USB type B: firmware update)	USB type A (USB 2.0) ² Mini USB type B: firmware update	USB type A (USB 2.0) ² Mini USB type B: USB display/data transfer Mini USB type B: logo transfer/firmware update	USB type A (USB 2.0) ² Mini USB type B: firmware update	Mini USB type B: firmware update	
	Wireless connectivity:	–	–	IEEE 802.11 b/g/n compatible with Windows and Mac using additional software (optional)	–	–	
	Connectable USB devices ¹ :	–	–	USB memory stick, CASIO wireless adapter YW-40, selected CASIO graphing calculators and digital cameras ³	–	–	
Audio system		–	16 W monaural speaker				–
Advanced features	Internal memory (media player):	–	–	approx. 2 GB	–	–	
	Other:	Rear projection, blank screen, ceiling mounting (4x M6), password-protected turning on	Direct power on, direct power off, rear projection, freeze, blank screen, ceiling mounting (4x M4), digital zoom (x2), presentation timer, password-protected turning on				Direct power on, direct power off, rear projection, freeze, blank screen, ceiling mounting (4x M4), digital zoom (2x), presentation timer, password-protected turning on
Operating noise		Eco: 36 dB Normal: 39 dB 360°: 38 dB	Light Control On (1–7): 29–35 dB Light Control Off (Normal/Bright): 36.5 dB/39 dB				Eco On: 35 dB (Eco)/29 dB (Eco5) Eco Off: 37 dB (Normal)
Energy consumption	In operation:	Normal mode: 545 W	85–205 W		80–195 W	75–165 W	
	Standby:	0.5 W	0.23 W				0.23 W
Computer compatibility	Max. resolution (compressed):	–	Computer: 1,920 x 1,200 pixels WUXGA), digital input: 1,920 x 1,080 pixels (full HD 1080p)				1,600 x 1,200 pixels (UXGA)
Included with product	IR remote control:	YT-150	YT-151	YT-141	YT-151	YT-150	
	Others:	Batteries, mains cable, warranty card, safety instructions	Batteries, AC power cable, warranty card				Batteries, mains cable, warranty card
Optional accessories		–	Bag (YB-2)	WLAN adapter (YW-40) and bag (YB-2)	Bag (YB-2)	–	
General	Dimensions (W x H x D):	471 x 565 x 206 mm	299 x 97 x 299 mm				270 x 89 x 270 mm
	Weight:	19.8 kg	3.8 kg				2.9 kg
	Operating temperature:	5–35°C	5–35°C				5–35°C

Core series			Green Slim series						Ultra Short Throw series		
XJ-V10X	XJ-V100W	XJ-V110W	XJ-A142	XJ-A147	XJ-A242	XJ-A247	XJ-A252	XJ-A257	XJ-UT351W	XJ-UT351WN	XJ-UT311WN
0.55" DLP® chip (XGA) 1,024 x 768 pixels (XGA)	0.65" DLP® chip (WXGA) 1,280 x 800 pixels (WXGA)		0.55" DLP® chip (XGA) 1,024 x 768 pixels (XGA)		0.65" DLP® chip (WXGA) 1,280 x 800 pixels (WXGA)					0.65" DLP® chip (WXGA) 1,280 x 800 pixels (WXGA)	
Laser & LED hybrid technology Up to 20,000 hours			Laser & LED hybrid technology Up to 20,000 hours						Laser & LED hybrid technology Up to 20,000 hours		
3,300 L	3,000 L	3,500 L	2,500 L		2,500 L		3,000 L		3,500 L		3,100 L
–			yes						yes		
20,000:1/up to 1.07 billion (full colour)			1,800:1/16.77 million (full colour)						20,000:1/up to 1.07 billion (full colour)		
1.5x optical zoom			2x optical zoom, motorized						Fixed zoom/mirror system		
1.66–2.42:1 50%	1.32–1.93:1 33%		1.4–2.81:1 50%		1.15–2.30:1 33%				0.28:1 70%		
30" (0.76 m) – 300" (7.62 m)	35" (0.89 m) – 300" (7.62 m)		15" (0.38 m) – 300" (7.62 m)		18" (0.46 m) – 300" (7.62 m)				50" (1.27 m) – 110" (2.79 m)		
–			–						–		
Vertical (automatic/manual): +30°/ ±30°			Vertical (automatic/manual): +30°/ ±30°						Vertical/horizontal (manual): ±5°		
1x 15-pin D-sub (VGA) 1x HDMI connection			1x 15-pin D-sub (VGA) 1x HDMI connection						2x RGB connector (15-pin RGB mini D-Sub [VGA]) 2x HDMI type A		
–			Component video: Opt. adapter via RGB mini D-sub 15-pin Composite: 1x 3.5 mm mini jack for audio input and output						RCA (composite), S-Video Input terminal: 1x RCA (R/L), 2x 3.5 mm stereo mini jack Output terminal: 1x 3.5 mm stereo mini jack 1x 3.5 mm monaural mini		
Input terminal: 1x 3.5 mm stereo mini jack Output terminal: 1x 3.5 mm stereo mini jack (variable audio output)			–						RS-232 USB type A ²		
–			RS-232C						RS-232 / LAN RJ-45 USB type A (USB 2.0)		
Mini USB type B: firmware update			Type A (USB 2.0) Mini USB type B (back): USB display/data transfer Mini USB type B (side): logo transfer/firmware update						Optional: CASIO wireless LAN adapter (YW-40) CASIO wireless LAN adapter (YW-40) is included		
–			IEEE 802.11 b/g/n compatible with Windows and Mac using additional software ¹						–		
–			USB memory stick, CASIO wireless adapter YW-40, selected CASIO graphing calculators/electronic dictionaries and digital cameras ³						–		
–			1 W monaural speaker						16 W monaural speaker		
–			–						–		
Direct power on, direct power off, rear projection, freeze, blank screen, ceiling mounting (4x M4), digital zoom (2x), presentation timer, password-protected turning on			Direct power on, direct power off, rear projection, freeze, blank screen, ceiling mounting						Direct power on, direct power off, rear projection, freeze, blank screen, ceiling mounting		
Light Control On (1–7): 29–35 dB Light Control Off (Normal/Bright): 36.5 dB/39 dB			Safe mode: 29 dB Default mode: 35 dB						Eco 1/Normal: 28–37 dB		
75–180 W	60–150 W	80–190 W	155 W (Eco Off) 115 W (Eco On Level 1)		165 W (Eco Off) 120 W (Eco On Level 1)				105–225 W		90–195 W
0.23 W			0.23 W						0.23 W		
Computer: 1,920 x 1,200 pixels WUXGA, digital input: 1,920 x 1,080 pixels (full HD 1080p)			1,600 x 1,200 pixels (LUXGA)						1,920 x 1,200 pixels (WUXGA)		
YT-151			YT-130						YT-160		
Batteries, mains cable, warranty card			Batteries, RGB cable, video cable, mains cable, bag, WLAN adapter (YW-40) ¹						Batteries (2x AAA), mains cable, RGB cable, warranty card, quick guide, WLAN adapter (YW-40) ⁵		
Bag (YB-2)			RS-232 adapter cable (mini serial) (YK-60)						Ceiling mounting: YM-80 (4x M4/10 mm)		
299 x 97 x 299 mm			297 x 43 x 210 mm						Cover included: 413 x 153 x 333 mm, Cover not included: 338 x 153 x 333 mm		
3.5 kg			2.3 kg						5.7 kg		
5–35°C			5–35°C						5–35 °C		

The best technology for every situation



A revolutionary teaching unit

CASIO projectors are ideal for the education sector in particular. The long-lasting light source means that lamp failures and the resulting loss of teaching time are finally a thing of the past – or at least for 15 years, because that is how long the laser & LED hybrid light source lasts when used for 6 hours a day for 220 days per year. It is no longer necessary to darken the room. On top of this, you can benefit from a high degree of flexibility with the optical zoom and dynamic brightness control of certain projectors. And thanks to the easy operation, giving multimedia lessons becomes child's play!



Technology with plenty of benefits

All CASIO projectors have one thing in common: the revolutionary laser & LED hybrid light source. This technology combines environmental friendliness with efficient performance at the highest possible quality. On the one hand, the light source replaces the mercury lamp of conventional projectors, which saves inconvenient, complex and expensive lamp replacement. On the other hand, the laser & LED hybrid light source offers many more advantages: low operating costs, low power consumption, fast start and stop times and a very long service life of up to 20,000 hours.



A reliable business partner

A large conference, customer presentation or internal meeting – a CASIO projector is the perfect business partner. No delays or waiting times thanks to the Direct On/Off function. Flexible and mobile use with WLAN and USB. Clear and brilliant colour reproduction that offers impressive performance even in daylight. Plus, total reliability is guaranteed thanks to the long service life and the fact that there is no need for expensive and inconvenient maintenance work or lamp changes.

CASIO MIDDLE EAST FZE

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LampFree
CASIO Green Technology

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