

For immediate release

Casio to Release Eight New Affordable Laser & LED Projectors Five WXGA Models and Three XGA Models



Core Series



Advanced Series

TOKYO, February 8, 2016 — Casio Computer Co., Ltd., announced today that it will expand its affordably priced*¹ Core Series lineup of industry-first Laser & LED light source projectors by adding three new models featuring a 1.5X optical zoom lens. The company will also release five new Advanced Series projectors that offer superior scalability at an affordable price.*²

*¹ Projected base price for the Core Series representative new model XJ-V100W is less than US\$800. Actual price will vary depending on tax considerations and market arrangements.

*² Projected base price for the new Advanced Series representative model XJ-F210WN is less than US\$1,250. Actual price will vary depending on tax considerations and market arrangements.

Until recently, lamp-free projectors equipped with solid state illumination (SSI) light sources have only been available in the high end of the projector market due to their advanced technology. Casio succeeded in converting all of its projector models to SSI in 2010, and then, in 2015 launched affordably priced Core Series models featuring a 1.1X optical zoom lens. With the launch of the Core Series, made possible due to the progress of Casio Laser & LED light source technology, SSI projectors are no longer an expensive, high-end product.

The new projectors announced today include five WXGA and three XGA models. All eight of these new models are equipped with a 1.5X zoom lens for optimal flexibility in projector placement. The Advanced Series models can also be used to power other devices with HDMI terminal connections*³ such as Intel® WiDi*⁴ or Miracast*⁵ wireless display adapters and stick devices, offering superior scalability. Casio holds an 80% share of the global market*⁶ for SSI projectors with 2,500 lumens or more, which is bright enough to use in fully lit rooms. This dominant position has allowed Casio to develop the extensive new lineup being released today.

*³ Casio plans to list compatible devices on its website.

*⁴ Intel is a trademark or registered trademark of Intel Corporation in the U.S. and other countries.

*⁵ Miracast is a registered trademark of Wi-Fi Alliance.

*⁶ Based on SSI projector volumes by manufacturer from January to December 2014, according to Futuresource Consulting Ltd.

All eight new models are produced by Yamagata Casio, the Casio Group's manufacturing base in Japan. The company's projector development capabilities using advanced Laser & LED light source technology have been brought together with the advanced production technology capabilities of Yamagata Casio, yielding excellent cost performance while maintaining high quality and reliability.

■ Superior economic performance delivered by the Casio SSI light source using a laser & LED

The Casio Laser & LED light source has a lifespan of up to 20,000 hours, eliminating the need for lamp replacement, and reduces electricity consumption to about half that of a mercury lamp projector.^{*7} Given these benefits, total cost of ownership (TCO) for the new models is better than that of a mercury lamp projector.^{*8}

^{*7} Based on an estimate by Casio, electricity consumption is approximately half of a mercury lamp projector with the same level of brightness.

^{*8} Based on an estimate by Casio, TCO over a five-year period is lower than that of a mercury lamp projector with the same brightness and the same number of HDMI terminals.

■ Instant Power On/Off delivers outstanding usability

The new projectors reach maximum brightness in as fast as five seconds from the time the power is switched on, eliminating the need to wait around while mercury lamps warm up. They also immediately power off with just a touch of the button, and can be used again right away when powered back on, without the need for a cool-down period. The Instant Light Control feature allows adjustment of projection brightness using the left and right keys on the projector itself or on the remote control. Furthermore, with the Intelligent Light Control feature provided in the Advanced Series, these projector models sense ambient brightness in the room and automatically adjust the projection brightness accordingly.

■ Dependable dust-resistant design offers peace of mind

Casio has achieved projector dust resistance by structuring the internal components into three blocks to shield the optical block from dust. This helps ensure that dust does not lower projection brightness, enabling the projector to operate dependably for a long time.

Series	Resolution	Model	Brightness	Wireless LAN	Optical Zoom	USB Power Supply	HDMI
Core Series	WXGA	XJ-V100W	3,000 lumens	—	1.5X	—	1 Terminal
		XJ-V110W	3,500 lumens				
	XGA	XJ-V10X	3,300 lumens				
Advanced Series	WXGA	XJ-F210WN	3,500 lumens	Option	1.5X	Yes	2 Terminals
		XJ-F100W		—			
		XJ-F200WN	3,000 lumens	Option			
	XGA	XJ-F20XN	3,300 lumens	Option	1.5X	Yes	2 Terminals
		XJ-F10X		—			

Casio is promoting its Laser & LED light source technology with the aim of replacing mercury lamp projectors. In doing so, Casio is helping to reduce the environmental impact of projectors by discontinuing the use of mercury and cutting down on power consumption, which helps to reduce CO2 emissions.

Main Specifications

Core Series

Model		XJ-V100W	XJ-V110W	XJ-V10X
Display System		DLP® chip × 1, DLP® system		
Display Chip	Chip Size	WXGA 0.65-inch (Aspect ratio: 16:10)		XGA 0.55-inch (Aspect ratio: 4:3)
	Number of Pixels	1,024,000 pixels (1,280 × 800)		786,432 pixels (1,024 × 768)
Light Source		Laser & LED light source		
Estimated Life of Light Source		Up to 20,000 hours (warranty 6,000hours)		
Brightness ¹		3,000 lumens	3,500 lumens	3,300 lumens
Contrast Ratio		20000:1		
Vertical Keystone Correction		+30° (auto) ±30° (manual)		
Projection Lens		1.5X manual zoom, manual focus, F 2.31 to 2.73 / f 18.9 to 27.2		
Projection Screen Size		35 to 300-inch		30 to 300-inch
Projection Ratio		1.32 to 1.93:1		1.66 to 2.42:1
Lens Offset		33%		50%
Projection Distance	60-inch Screen	1.64 m to 2.42 m		1.95 m to 2.87 m
	100-inch Screen	2.81 m to 4.11 m		3.33 m to 4.85 m
	Minimum Distance	0.92 m		0.93 m
Color Reproduction		Full color (up to 1.07 billion colors)		
Scanning Frequencies	Horizontal	15 to 91 kHz		
	Vertical	50 to 85 Hz		
Display Resolution	RGB Signal	Native	1,280 × 800 (WXGA)	
		Resizing	Maximum: 1,920 × 1,200 (WUXGA)	
	Component Signal		Maximum: 1,920 × 1,080 (HDTV 1080P)	
	HDMI Signal	PC	Maximum: WUXGA (1,920 × 1,200)	
DTV		Maximum: 1,920 × 1,080 (HDTV 1080P)		
Terminals	Computer (RGB) Input		RGB 15-pin mini D-Sub × 1	
	Digital Input		HDMI Type A × 1 (HDCP support, audio signal support)	
	Component Video Input		Shared with Computer (RGB) input terminal	
	Audio Input		3.5 mm stereo mini jack × 1	
	Audio Output		3.5 mm stereo mini jack × 1 (variable audio output)	
	Control		RS-232C (D-Sub 9 pin) × 1	
	Service		Micro-USB Type B × 1 (for firmware updates by the user)	
Instant Power On/Off		Yes		
Light Control	Light Output		7 levels	
	Instant Light control		Yes (Wireless remote control key)	
Security Compatibility		Kensington-compatible, power-on password		
Other Functions		Digital zoom (2X), rear-projection, freeze, color mode, blank screen, ceiling mount ²		
Power Source		AC 100V to 240V, 50/60Hz		
Power Consumption	Light Output	Bright	150W	190W
		Normal	135W	165W
		Light 7	125W	155W
		Light 1	60W	80W
	Standby Power ³	100 to 120V	0.12W	
		200 to 240V	0.23W	
Dimensions (Including Projections)		299 (W) × 299 (D) × 97 (H) mm		
Weight		3.5kg		
Main Accessories		Wireless remote control, test batteries (AAA-size x2), AC power cord, warranty card		

Advanced Series

Model		XJ-F210WN	XJ-F100W	XJ-F200WN	XJ-F20XN	XJ-F10X
Display System	DLP® chip x 1, DLP® system					
Display Chip	Chip Size	WXGA 0.65-inch (Aspect ratio: 16:10)			XGA 0.55-inch (Aspect ratio: 4:3)	
Chip	Number of Pixels	1,024,000 pixels (1,280 x 800)			786,432 pixels (1,024 x 768)	
Light Source	Laser & LED light source					
	Estimated Life of Light Source	Up to 20,000 hours (warranty 6,000hours)				
Brightness ¹		3,500 lumens		3,000 lumens		3,300 lumens
Contrast Ratio	20000:1					
Vertical Keystone Correction	+30° (auto) ±30° (manual)					
Projection Lens	1.5X manual zoom, manual focus, F 2.31 to 2.73 / f 18.9 to 27.2					
Projection Screen Size	35 to 300-inch			30 to 300-inch		
Projection Ratio	1.32 to 1.93:1			1.66 to 2.42:1		
Lens Offset	33%			50%		
Projection Distance	60-inch Screen	1.64 m to 2.42 m			1.95 m to 2.87 m	
	100-inch Screen	2.81 m to 4.11 m			3.33 m to 4.85 m	
	Minimum Distance	0.92 m			0.93 m	
Color Reproduction	Full color (up to 1.07 billion colors)					
Scanning Frequencies	Horizontal	15 to 91 kHz				
	Vertical	50 to 85 Hz				
Display Resolution	RGB Signal	WXGA (1,280 x 800)			XGA (1,024 x 768)	
	Native Resizing	Maximum: 1,920 x 1,200 (WUXGA)				
	Component Signal	Maximum: 1,920 x 1,080 (HDTV 1080P)				
	HDMI PC Signal	Maximum: 1,920 x 1,200 (WUXGA)				
	HDMI DTV Signal	Maximum: 1920 x 1080 (HDTV 1080P)				
Video Signal	NTSC, PAL, PAL-N, PAL-M, PAL60, SECAM					
Internal Memory		Approx. 2GB	—	Approx. 2GB	Approx. 2GB	—
Projection With File Viewer		Yes	—	Yes	Yes	—
Wireless LAN adaptor (YW-40)		Option	—	Option	Option	—
Terminals	USB DC 5V 2A	DC 5V 2Ax1	DC 5V 2Ax1	DC 5V 2Ax1	DC 5V 2Ax1	DC 5V 2Ax1
	USB Host USB (USB Type A)	Shared with USB DC 5V 2A	—	Shared with USB DC 5V 2A	Shared with USB DC 5V 2A	—
	USB Function	USB Type B x 1	—	USB Type B x 1	USB Type B x 1	—
	LAN (100BASE-TX/10BASE-T)	RJ-45 x 1	—	RJ-45 x 1	RJ-45 x 1	—
	Microphone Input	3.5 mm mini jack x 1	—	3.5 mm mini jack x 1	3.5 mm mini jack x 1	—
	Computer (RGB) Input	RGB 15-pin mini D-Sub x 1				
	Digital Input	HDMI Type A x 2 (HDCP support, audio signal support)				
	Component Video Input	Shared with Computer (RGB) input terminal				
	Composite Video Input	RCA terminal x 1				
	Separate Video Input	S-Video terminal x1				
	Audio Input	RCA (R/L) terminal x 1, 3.5 mm stereo mini jack x 1				
	Audio Output	3.5 mm stereo mini jack x 1 (variable audio output)				
	Control	RS-232C (D-Sub 9 pin) x 1				
	Service	Micro-USB Type B x 1 (for user to store start-up logo data using the CASIO Projector LOGO Loader ^{*4} and firmware updates by the user [†])				
Speaker	16W x 1, monaural					
Instant Power On/Off	Yes					
Light control	Light Output	7 levels				
	Instant Light Control	Yes (Wireless remote control key / main part key)				
	Intelligent Light Control	Yes				
Security Compatibility	Kensington-compatible, power-on password, Key panel Lock					
Other Functions	Digital zoom (2X), rear-projection, freeze, color mode, blank screen, ceiling mount ²					
Power Source	AC 100V to 240V, 50/60Hz					
Power Consumption	Light Output	Bright	205W	165W	195W	
		Normal	175W	150W	170W	
		Light 7	165W	140W	160W	
		Light 1	85W	70W	80W	
	Standby Power ³	100 to 120V	0.12W			
		200 to 240V	0.23W			
Dimensions (Including Projections)	299 (W) x 299 (D) x 97 (H) mm					
Weight	3.8kg					
Main Accessories	Wireless remote control, test batteries (AAA-size x2), AC power cord, warranty card					

Optional Wireless LAN adaptor YW-40

Compatible Models	XJ-F210WN / XJ-F200WN / XJ-F20XN	
Wireless Support	IEEE 802.11b/g/n compatible	
Connection via	Android Devices	Supports Android devices running the C-Assist app ^{*5}
Wireless Network	iOS Devices	Supports iOS devices running the C-Assist app ^{*5}
	Windows® PC	Supports Windows® PCs with the Network Connection software ^{*6}
	Apple Mac	Supports Mac with the Network Connection software ^{*6}

*1. When using Bright mode.

*2. Metal ceiling-mount fittings required; installation work charged separately.

*3. When "Disable" is specified for "Remote On."

*4. The CASIO Projector LOGO Loader can be downloaded from the Casio website. (<http://world.casio.com/download/projector/>)

*5. The C-Assist app can be downloaded from Google Play or App Store.

*6. The Network Connection software can be downloaded from the Casio website. (<http://world.casio.com/download/projector/>)

DLP is a registered trademark of Texas Instruments of the United States.

Android and Google Play are registered trademarks of Google Inc.

Windows is registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

Apple, Mac, iOS are trademarks of Apple Inc., registered in the U.S. and other countries.

App Store is a service mark of Apple Inc.

Other company and product names are generally registered trademarks or trademarks of their respective companies.