

For Immediate Release

## **Casio to Release A4-size, High-Brightness, Mercury-Free Projectors Packed with New Features** *Supporting wireless presentations using smartphones*



XJ-A256/A246

TOKYO, January 10, 2012 — Casio Computer Co., Ltd. today announced that it plans to release three new slim, lightweight projectors in February—the XJ-A256, XJ-A246, and XJ-A146. The new models are A4-size projectors just 43 mm thin and 2.3 kg light. These mercury-free, high-brightness projectors use Casio's Laser & LED Hybrid Light Source and offer a wide range of features such as the ability to conduct presentations wirelessly from a smartphone. <sup>\*1</sup>

<sup>\*1</sup>. Smartphone or other mobile device must be installed with MobiShow<sup>®</sup> software for Android<sup>™</sup>, Apple iOS or Windows Mobile<sup>®</sup>.

Casio first took advantage of its revolutionary Laser & LED Hybrid Light Source in 2010 to introduce an A4-size projector that delivered high brightness of up to 3,000 ANSI lumens without using a lamp containing mercury, a substance which has a negative effect on the environment. The product has since gone on to earn a strong reputation.

The new models coming in February maintain the same popular features as previous A4-size models, such as a wide-angle 2X zooms lens for flexible projector positioning, and a light source life of about 20,000 hours, which reduces frequency of maintenance and cuts operating costs. In addition, they boast new features such as the ability to display the remaining time during a presentation, and smartphone compatibility.

### **Laser & LED Hybrid Light Source**

The new projectors achieve high brightness projection of 3,000 ANSI lumens using a mercury-free light source by projecting three colors through a DLP<sup>®</sup> chip: red emitted by a high-lumen red LED, green converted from blue laser light with a phosphor, and blue emitted by a blue laser.

### **Presentation Timer counts down on screen**

The Presentation Timer feature enables the user to project a countdown of the remaining minutes and seconds on one part of the screen. If the presentation exceeds the preset time, the timer display changes to red to alert the presenter. The timer can be set for up to 60 minutes.

### **Give presentations using a smartphone or USB memory**

With the XJ-A256, XJ-A246 and XJ-A146, users can give wireless presentations using a smartphone\*<sup>1</sup> or computer that supports wireless LAN (IEEE 802.11 b/g), or project data\*<sup>2</sup> from a USB memory device.

\*2. Certain types of data may need to be converted using the bundled computer software, before saving to a USB memory device.

### **Energy-saving Intelligent Brightness Control**

Integrated light sensors automatically adjust the projection brightness level according to the ambient lighting. This reduces power consumption by as much as 47%.<sup>\*3</sup>

\*3. Reduction compared with power consumption for Eco Mode Level 5 (110 W), using power consumption for Bright Mode (210 W) as a baseline reference.

### **Wide-angle 2X zoom capability**

The extensive range of projection distances made possible by the wide-angle 2x zoom lens gives great flexibility when positioning the projector in all kinds of meeting spaces, conference rooms, and classrooms.

The projector also comes with an automatic keystone correction function that eliminates any image distortion that may occur due to the positioning of the projector.

Casio will also release new A4-size projector models with basic features only—XJ-A251, XJ-A241 and XJ-A141.



XJ-A141

Model	Display resolution	Brightness	Presentation by Smartphone or USB Memory
XJ-A256	WXGA Real (1,280x800)	3000 ANSI lumens	XJ-A256 only
XJ-A251			
XJ-A246		2500 ANSI lumens	XJ-A246 only
XJ-A241			
XJ-A146	XGA Real (1,024x768)	2500 ANSI lumens	XJ-A146 only
XJ-A141			

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## Specifications for All Models

Model	XJ-A256	XJ-A251	XJ-A246	XJ-A241	XJ-A146	XJ-A141
Brightness <sup>*1</sup>	3000 ANSI lumens		2500 ANSI lumens		2500 ANSI lumens	
Light Source	Laser & LED Hybrid Light Source					
Estimated Life of Light Source	Approximately 20,000 hours					
Projection System	DLP <sup>®</sup> system					
Display Element	WXGA 0.65-inch DLP <sup>®</sup> chip				XGA 0.55-inch DLP <sup>®</sup> chip	
Resolution	1,024,000 (1,280x800)				786,432 (1,024x768)	
Contrast Ratio	1800:1					
Keystone Correction	+30° (auto) ±30° (manual)					
Focusing	Manual power focus					
Projection Lens	2.0X optical zoom lens					
Projection Screen Size	18~300-inch				15~300-inch	
Projection Range	60-inch Screen		1.4m~2.8m		1.7m~3.4m	
	100-inch Screen		2.4m~4.8m		2.8m~5.6m	
	Minimum Range					
Color Reproduction		Full color (16.77 million colors)				
RGB Input	Display Resolution	Real	WXGA (1,280x800)			XGA (1,024x768)
		Compressed	Maximum UXGA (1,600x1,200)			
	Terminal	RGB mini D-Sub 15 pinx1 (Also serves as YCbCr/YPbPr input terminal)				
Digital Input	Terminal	HDMI TypeA x 1 (480P~1080P)				
Video Input	Signal Systems	NTSC / PAL / PAL-N / PAL-M / PAL60 / SECAM				
	Composite Terminal	3.5mm mini-jack AV terminal x 1 (Also serves as audio terminal)				
	Component Terminal	(Also serves as RGB mini D-Sub 15 pin)				
Audio	Input -Output Terminal	3.5mm mini-jack AV terminal x 1 (Also serves as composite terminal)				
	Speaker	1W monaural				
Control Terminal	RS-232C x 1 (Separately-sold YK-5 serial conversion cable required for connection)					
Presentation Timer	Yes					
Intelligent Brightness Control	Yes					
Eco Mode	Yes					
Direct Power-on	Yes					
Security Compatibility	Kensington-compatible, Power-on password					
Other Functions	Digital zoom (2X), rear-projection, freeze, pointer, color mode, blank screen, ceiling mount <sup>*2</sup>					
Power Source	AC100~240V, 50/60Hz					
Power Consumption	Bright Mode		210W			
	Normal Mode		180W			
	Eco Mode Level 1		170W			
	Eco Mode Level 5		110W			
	Standby		0.4W			
Dimensions (WxHxD)	297 x 43 x 210mm (including projections)					
Weight	2.3kg					
Included Accessories	Wireless remote controller / AC power cord / RGB cable / Special AV cable / Instruction manual (on CD-ROM) / Setup Guide / Warranty card / Soft case					

\*1. When using Bright mode.

\*2. Metal ceiling-mount fittings required. Installation work charged separately.

## Specifications for XJ-A256, XJ-A246, and XJ-A146 Only

Wireless Compatibility	IEEE 802.11b/g	A wireless module that attaches to a dedicated terminal inside the main unit is supplied
Presentation By Wireless LAN	Windows <sup>®</sup> PC with IEEE 802.11 b/g Capability	Supports Windows <sup>®</sup> PC installed with Wireless Connection 3 software Wireless Connection 3 software is bundled with the XJ-A256/A246/A146
	Mac with IEEE 802.11 b/g Capability	Supports Mac installed with wePresent software wePresent software available for download on the Casio website
	Smartphones and Other Mobile Devices	Supports Mobile devices installed with MobiShow <sup>®</sup> software MobiShow <sup>®</sup> software is available in versions for Android <sup>™</sup> , Apple iOS, and Windows Mobile <sup>®</sup>
USB Host Function	Terminal	TypeA x 1 (2.0-compliant)
	Connectable Devices	USB memory devices (Confirmed-compatible devices to be published on the Casio website) Casio multi-projection camera YC-430/400 Casio digital cameras (Compatible models to be published on the Casio website) Casio graphing scientific calculators
Presentation By USB Memory Device	Compatible File Formats	JPEG, BMP, Motion-JPEG (AVI format ADPCM audio)
	Bundled File Conversion Software for Windows <sup>®</sup> PC	Converts certain video files (MP4, MOV, AVI and WMV) to a usable format, as well as converting PowerPoint <sup>®</sup> files with animations

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