

JVC unveils 10 Megapixel ultra-high definition projector

4k x 2k D-ILA projector provides four times the resolution of full HD

IBC 2008, Amsterdam, 13 September 2008 JVC has introduced the world's smallest 4k x 2k ultra high definition projector, the DLA-SH4K. Based on the company's new proprietary 1.27-inch 10 megapixel D-ILA (Direct-Drive Image Light Amplifier) devices, the DLA-SH4K projects images at greater than four times the resolution and clarity of the industry's latest full high definition projectors. The higher resolution will bring a new level of reality to aircraft simulators, medical analysis, 3D display, command and control, museums, theme parks, and ultra high-end home theatres.



The projector's chassis achieves a remarkable 65% reduction in size compared with conventional projectors in its class. This was achieved in part by using JVC's latest 1.27-inch Direct Drive Image Light Amplifier (D-ILA) devices and a new optical system. D-ILA is a proprietary form of Liquid Crystal on Silicone (LCOS), a reflective technology that offers far greater pixel density than competing devices.

The D-ILA devices used in the DLA-SH4K provide a native 4096 x 2400 resolution multi-screen display modes that allow users to view up to four full HD screens at a time. A new optical design featuring an 825 Watt Xenon lamp generates a light output of 3500 ANSI Lumens and features adjustable lamp power that ranges from 825 to 660 watts. Two DLA-SH4Ks can be stacked for increased light output. In addition, the projector can be inclined up to a ± 90 -degree tilt angle and has a horizontal lens shift of $\pm 25\%$ and vertical shift of $\pm 50\%$, which enables flexible installation.

The DLA-SH4K includes DVI-D (dual-link) x 4 input terminals that accept a wide variety of input resolutions. In addition to the RS-232C and USB connections, an Ethernet interface makes adjustment and installation from web browsers on PCs possible. Furthermore, networking allows multiple projectors to be operated with a single PC and an email function also enables the sending out of error messages and lamp replacement reminders. JVC will offer two lenses for the projector, the GL-MS4015SZG 1.22x zoom lens for screens up to 300 inches, and the GL-MS4011SG short throw lens for screens up to 250 inches. The DLA-SH4K is available immediately.

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