

JVC announces the launch of the DLA-NZ700/RS2200 and DLA-NZ500/RS1200 the world's smallest^{*1} Native 4K D-ILA projectors

Unrivaled Picture Quality in a Sleek New design with BLU-Escent Laser and third generation^{*2}
4K D-ILA devices deliver High Brightness, Superior Resolution and Exceptional Contrast.



JVCKENWOOD Corporation will release the world's smallest^{*1} native 4K projectors “DLA-NZ700/RS2200” and “DLA-NZ500/RS1200” in late November. They will be new products in its home projector lineup, following the “DLA-NZ900/RS4200” and “DLA-NZ800/RS3200” currently on sale under the JVC brand.

Both models are the world's smallest^{*1} native 4K projectors. This was achieved by redesigning almost everything from optical unit, lens, and circuit board. Furthermore, equipped with third generation^{*2} 0.69-inch native 4K D-ILA device with enhanced screen uniformity, and a high-efficiency BLU-Escent Laser light source for exceptional contrast, superior resolution, and high brightness. They both are equipped with the second-generation Frame Adapt HDR technology, which is equivalent to the higher-end models, realizing high quality HDR images, and Vivid mode, which reproduces SDR content in rich colors. Now, the entire D-ILA lineup is equipped with laser light source, allowing you to experience full-scale high-definition images in a compact design.

^{*1} : As of September 2024. JVCKENWOOD. As a 4K projector that does not use pixel shifting

^{*2} : Only DLA-NZ700 is equipped with a third-generation 0.69 inch native 4K “D-ILA” device.



DLA-NZ500/NZ700 Black



DLA-NZ500 White

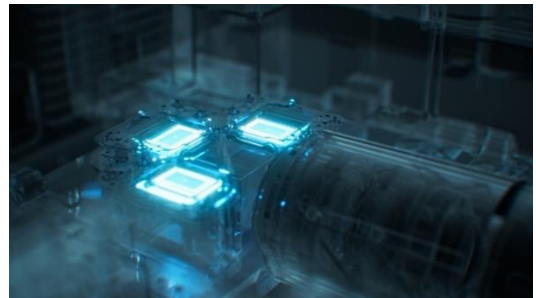
Key Features

1. New Design Achieves World's Smallest Native 4K Projector Size

- Components Redesigned. The optical unit, lens, and circuit board have all been redesigned to achieve the world's smallest native 4K projector.
- Volume reduction of 35% compared to the previous DLA-NZ7/RS2100, while still incorporating a laser light source and native 4K D-ILA device.
- Placing the heat source exhaust at the rear, the potential impact of the image on the projection screen has been eliminated. This provides more flexibility for installation.
- Less plastic which reduces transportation costs and much more environmentally friendly.

2. Third generation^{*2} 0.69-inch native 4K D-ILA device enhances video quality

- 0.69inch native 4K D-ILA device has been advanced to the third generation^{*2} to enhance black details.
- DLA-NZ700/RS2200 achieves 80,000:1^{*3} native contrast by simultaneously improving alignment control and pixel flatness. ^{*3} : 40,000:1 for 'DLA-NZ500/RS1200
- Improved uniformity of brightness across the entire screen, with beautiful image quality to every corner.



3. High Brightness and Long life by BLU-Escent Laser Light Source Technology

- JVC's proprietary laser light source technology, Blu-Escent uses a blue laser diode achieves a high brightness of 2,300lm for DLA-NZ700/RS2200 and 2,000lm for the DLA-NZ500/RS1200. Both models have a laser life expectancy of approximately 20,000 hours.
- DLA-NZ700/RS2200 has two times brightness per watt of effective power comparing with the first model DLA-Z1 equipped with BLU-Escent Laser released in January 2017 with 3,000lm brightness.
- By using a laser light source, harmful substances found in lamp light sources are eliminated.

4. Newly designed fully Motorized 4K Lens delivers both high resolution and installation flexibility

- Newly designed large aperture (80 mm, 11 groups, 15 lenses) 4K compatible lens delivers full native 4K D-ILA resolution to every corner of the screen.
- Fully electric (Zoom, Focus, Shift), with 70% vertical and 28% horizontal shifts for easy installation.
- Lens memory function for convenience to use cinemascope-sized screen.

5. Features "Frame Adapt HDR Generation 2" for optimal reproduction of HDR content

- Frame Adapt HDR Generation 2 instantaneously analyzes the maximum brightness of each frame of any HDR10 content by proprietary algorithm. This enables real-time tone mapping to the optimal dynamic range for the projector and reproduces HDR images that are brighter, more colorful, and have a wider dynamic range.
- Deep Black Tone Control expands dark tones to maximize the dynamic range of the native 4K "D-

ILA" device and enables more realistic expression of dark areas with a greater contrast.

- HDR level is automatically detected with referring Max Display Mastering Luminance (DML) as metadata representing the maximum luminance information of the monitor used for content editing for tone mapping with optimal brightness.

6. Equipped with Vivid picture mode that reproduces SDR content in rich colors

Vivid picture mode is a standard dynamic range (SDR) picture mode that reproduces content in rich colors. You can enjoy popular SDR video content, such as animation, in bright, rich colors and clear images.

7. Dynamic laser light source control enables images close to human perception

- JVC proprietary BLU-Escent laser light source technology uses an array of laser diodes that enables instantaneous control of light output with less delay than conventional mechanical apertures.
- The light source is completely reduced to achieve $\infty:1$ Dynamic contrast in all-black scenes.
- Controlling the Luminance in 101 Steps to finely adjust brightness according to the indoor environment or the desired brightness on the screen.
- Equipped with a variety of operation modes with the same control algorithm as the upper model.

8. FILMMAKER MODE™ for faithfully recreating the creator's original intentions

The new models feature FILMMAKER MODE, an image quality mode developed by UHD Alliance that aims to faithfully reproduce movies to the director's standards in your private home theater. When using FILMMAKER MODE, certain processing controls are turned off and the color temperature is set to D65 (6500 K), so you can enjoy movies and documents in true master quality.

9. Cinema filters richly reproduce colorful images with a wide color gamut equivalent of DCI-P3^{*4}

The CINEMA FILTER enables the wide color gamut of DCI-P3 film standards. HDR content typified by UHD Blu-ray, which has a much wider color gamut, can be richly depicted with gradations of the sky and sea, contrasting crimson roses and rows of fresh green trees.

^{*4} : Only DLA-NZ700/RS2200

Other features

- Equipped with "Ultra-High Contrast Optics" specially designed for this model to achieve clear and vivid images.
- The GUI has been redesigned. The menu structure has been revised to facilitate access to frequently used functions.
- ISF-certified video quality standards. Color calibration can be performed by an ISF-certified video adjustment engineer.
- The "Installation Mode" function allows up to five types of Installation Settings, such as lens memory, pixel adjustments, and screen masks, to be stored and recalled easily.
- The Auto Calibration function^{*5} optimizes all essential elements found in the image, including color

balance, gamma characteristics, color space, and color tracking, using an external optical sensor and proprietary software. With the sensor and software, optimum calibration can be applied in just a few easy steps to match the changes in optical characteristics given the environment of the installation.

*5 : A commercially available optical sensor, proprietary software, PC, and LAN cable are required to perform the auto-calibration function.

- The "Screen Adjust Mode" compensates for color imbalances caused by screen characteristics.

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