

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

Unrivalled 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. These new products will join 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 the optical unit to the lens and circuit board and equipped with a 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 are equipped with second-generation Frame Adapt HDR technology, equivalent to the higher-end models, which realise high-quality HDR images, and Vivid mode, which reproduces SDR content in rich colours. The entire D-ILA lineup is equipped with a laser light source, allowing you to experience full-scale high-definition images in a compact design.



DLA-NZ500/NZ700 Black



DLA-NZ500 White

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

*² : DLA-NZ700/RS2200 are equipped with a third generation 0.69 inch native 4K D-ILA device.

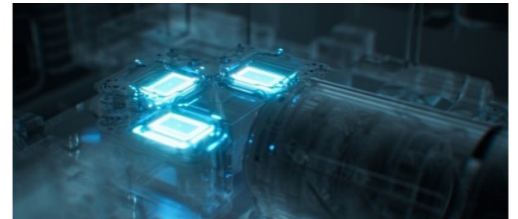
Key Features

1. New Design Achieves the 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.
- There has been a 35% volume reduction 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 is much more environmentally friendly.

2. Third generation² 0.69-inch native 4K D-ILA device enhances video quality

- 0.69inch native 4K D-ILA device has been advanced to the third generation² to enhance black details.
- DLA-NZ700/RS2200 achieves 80,000:1³ native contrast by simultaneously improving alignment control and pixel flatness.
³: 40,000:1 for DLA-NZ500/RS1200
- Improved brightness uniformity 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 to achieve a high brightness of 2,300lm for the 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 the brightness per watt of effective power compared 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 Motorised 4K Lens delivers both high resolution and installation flexibility

- A 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 analyses the maximum brightness of each frame of any HDR10 content by a proprietary algorithm. This enables real-time tone mapping to the optimal dynamic range for the projector and reproduces HDR images that are brighter, more colourful, and have a more comprehensive dynamic range.
- Deep Black Tone Control expands dark tones to maximise the dynamic range of the native 4K "D-ILA" device and enables the more realistic expression of dark areas with greater contrast.
- HDR level is automatically detected by referring to Max Display Mastering Luminance (DML) as metadata representing the maximum luminance information of the monitor used for content editing and tone mapping with optimal brightness.

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

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

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

- JVC's proprietary BLU-Escent laser light source technology uses an array of laser diodes, enabling instantaneous light output control with less delay than conventional mechanical apertures.
- The light source is ultimately reduced to achieve ∞ 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 various 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 to faithfully reproduce movies to the director's standards in your private home theatre. When using FILMMAKER MODE, specific processing controls are turned off, and the colour temperature is set to D65 (6500 K), so you can enjoy movies and documents in true master quality.

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

The CINEMA FILTER enables the wide colour gamut of DCI-P3 film standards. HDR content typified by UHD Blu-ray, which has a much wider colour 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. An ISF-certified video adjustment engineer can perform colour calibration.
- 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} optimises all essential elements found in the image, including colour balance, gamma characteristics, colour space, and colour 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 colour imbalances caused by screen characteristics.

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More information & movie: <https://uk.jvc.com/projectors/>

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