JVC

DLA-NZ900

8K Home Theater Projector



The ART of PROJECTION

A True Cinematic Experience

The sheer beauty of D-ILA projection images is a result of over 25 years of JVC engineering and technology. The DLA-NZ900's latest firmware*1 update gives a boost to the image quality of HDR images. JVC's proprietary Frame Adapt HDR with HDR Vivid picture mode, not only improves the dynamic range of the image to a greater sense of depth, but also improves image detail with balanced brightness and deeper colors even for scenes with high intensity. Combining the MPC circuitry and Gen2 8K/e-shiftX lets you enjoy smoother and realistic visual beauty of expressing 8K video.

*1: The firmware is available for free download. Refer to the back page for the QR code.

2025 NEW FEATURES – Latest firmware update to realize bright and lively HDR images full of contrast

- Frame Adapt HDR function takes a leap forward:
  - Its new HDR Vivid picture mode can achieve a greater sense of depth by improving peak white detail and dark information in the scene.
  - All image quality modes feature the new Highlight Color Control feature to render images with both brightness and rich colors even for scenes with high nit levels.
- Improvement of proprietary super-resolution circuitry MPC (Multiple Pixel Control): Its new Smoother function controls the banding artifact generated by video data compression to achieve smoother and more realistic expression of 8K images.
- ALLM (Auto Low Latency Mode)*2 improves speed and responsiveness of the projector, turning large-screen gaming into an immersive experience.
- More new features:
  - OSD Guide function allows users to adjust fine and advanced settings while checking each step using the guide.
  - Calibrator Mode is used to calibrate settings such as color temperature and color gamut for expert-level, high-precision image tuning.
  - Advanced Key allows the projector to memorize user-preference settings and call them up as needed.

*2: Features such as Frame Adapt HDR, Laser Dynamic Control, and Clear Motion Drive are not available while ALLM is in use.

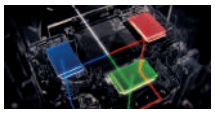
KEY FEATURES – Key features to achieve exceptional images even closer to native 8K resolution

- Proprietary, Gen3, 0.69-inch Native 4K D-ILA Devices (x3)
- 3,300-lumen BLU-Escent Laser phosphor light engine
- Pixel perfect – Gen2 8K/e-shiftX with New 8K Scaling Engine featuring 4-way, multi-axis shift yields 8192 x 4320-pixel projection
- 150,000:1 native contrast, ∞ (infinite):1 dynamic contrast ratios delivers images brimming with reality
- 101-step Laser Light Control by slider adjustment
- High-contrast Optical Block
- Two 48Gbps HDMI/HDCP 2.3 inputs – 8K/60p and 4K/120p
- Gen2 Frame Adapt HDR dynamic tone mapping with Theater Optimizer
- Deep Black function extends dark tones with far greater black detail.
- 100 mm High-quality all-glass lens system with 18-element, 16-group all-glass lens features 100% vertical, 43% horizontal shift
- DML (Display Mastering Luminance) adjusts/sets the correct dynamic range for better HDR experience, including HDR10+
- Wide Color Gamut with Cinema Filter (over 100% DCI-P3) for vivid reproduction of deeper colors
- Installation mode with 10 customizable presets
- Clear Motion Drive for one of the smoothest video (Does not work with 8K@60p signals)

BLU-Escent Laser | HDR | HDR10+ | 3D | 100mm HQ Lens

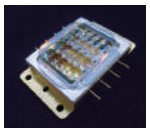
Gen3, Native 4K D-ILA Device

The third-generation 0.69-inch native 4K D-ILA device offers the native contrast ratio of 150,000:1. Also, improvements in the manufacturing process resulted in improved screen uniformity for enhanced image quality.



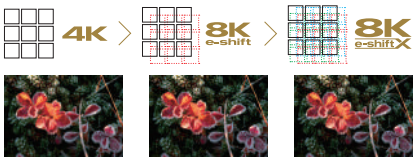
3,300lm BLU-Escent Laser

JVC's original BLU-Escent Laser light source has been optimized to achieve exceptional peak brightness of 3,300 lumens with longevity of 20,000 hours. Housed in a compact casing, the laser light engine provides higher output, greater efficiency, and quieter operation, making it an excellent solution for demanding home theater installations.



Pixel Perfect 8K Out with 8K/e-shiftX

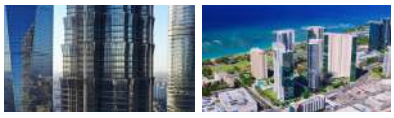
Whether the source is 4K or 8K, the latest Gen2 8K/e-shiftX high-resolution display technology doubles the resolution by shifting a pixel by 0.5 pixels in four directions to deliver pixel perfect 8K resolution.



See how the native 4K image becomes sharper as if it is alive with the newest 8K/e-shiftX processing.

New Enhanced function MPC circuitry portrays detailed textures realistically

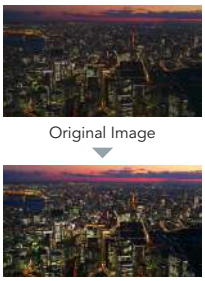
We succeeded in making more natural and realistic picture portraiture after a thorough reviewing of the standard mode. Thanks to the Smoother function, which has been added to our proprietary super-resolution circuitry MPC (Multiple Pixel Control), that can effectively control the "banding artifact" generated as a result of video data compression. The Smoother function can express much more realistic and smoother 8K image expression while maintaining a sense of high definition with a natural feel. It delivers images that require precise details and gradation to heighten the quality of your visual experience.



With updated Standard mode and the addition of Smoother function, images appear more realistic and natural without distortion.

New Frame Adapt HDR Vivid picture mode offers both vividness and contrast

A new addition to the proprietary Frame Adapt HDR is the HDR Vivid picture mode. Utilizing original image processing technology based on the PQ (Perceptual Quantizer) curve, this new mode realizes a picture bursting with reality by improving the detail in the lighter areas and darkening the darker areas to increase the sense of contrast and saturation of the entire image. Additionally, in conjunction with the Highlight Color Control function, it is possible to achieve vivid HDR images with fine details even in scenes with high contrast.



Original Image

Frame Adapt HDR Vivid

New Highlight Color Control function to portray scenes with high brightness

A new image quality mode called Highlight Color Control function in Frame Adapt HDR optimizes the balance between the sense of brightness and saturation in scenes with high intensity where colors tend to fade out. With this mode, it is possible to project HDR images with vividness even down to the details with full contrast in scenes where darkness and brightness reside together. The mode can be selected from three levels of Low, Mid and High to perform flexible adjustment that matches the viewing environment, user preferences and content characteristics.



Low



Mid



High

New ALLM (Auto Low Latency Mode)*2

Ideal for gaming content, ALLM kicks in automatically when a gaming console or gaming PC is connected to the projector to improve speed and improve the responsiveness of the gaming experience in a large screen scenario.



*2: Features such as Frame Adapt HDR, Laser Dynamic Control, and Clear Motion Drive are not available while ALLM is in use.

Scan/click on the QR code to access:

Free firmware download

Official Website of the new D-ILA projectors

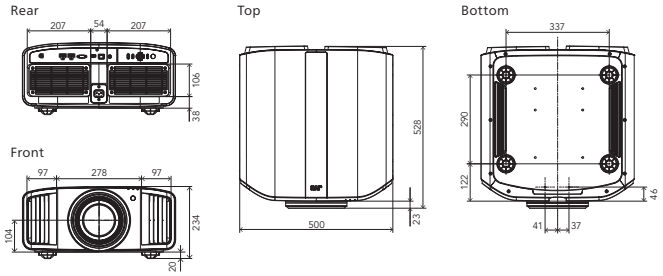
Screen adjustment mode table

Optional Accessory

PK-EM2
RF 3D Synchro Emitter



External Dimensions/Unit: mm



Specifications

GENERAL		DLA-NZ900
Device		3rd Generation 0.69-inch Native 4K D-ILA Device (4096 x 2160) x3
Display Resolution		8192 x 4320 (Gen2 8K/e-shiftX)
Lens		x2 motorized zoom & focus, all-glass lens, 100 mm diameter
Lens Shift		Vertical: ±100%, Horizontal: ±43% (motorized in 16:9 aspect ratio)
Projection Display Size		60 inch – 300 inch diagonal
Light Source		BLU-Escent Laser Diode
Brightness		3,300 lm
Contrast Ratio		Native: 150,000:1, Dynamic: ∞:1
Cinema Filter (Color Gamut)		DCI-P3
Input Terminal	HDMI	2 (48 Gbps/HDCP 2.3, no support for CEC)
Output Terminal	TRIGGER	1 (Mini Jack, DC 12 V/100 mA)
	3D SYNCHRO	1 (Mini-Din 3-pin)
Control Terminal	RS-232C	1 (D-sub-9pin)
	LAN	1 (RJ45)
Service Terminal	SERVICE	1 (USB Type A) for firmware update and backing up settings
Power Consumption		440W (Network standby: 1.5W, Eco-mode standby: 0.3W)
Fan Noise		24 dB (LD power at minimum)
Power Requirement		AC 100-240V, 50/60Hz
Dimensions (W x H x D, including feet)		500 mm x 234 mm x 528 mm
Weight (net)		25.3 kg

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