The DLA-NZ7 D-ILA projector is the world first home theater projector to feature 8K/60p/4K120p input. It is equipped with a new 8K/e-shift proprietary technology to reproduce 8K-quality images. The projector is driven by three native 4K D-ILA devices, high-quality 65 mm glass lens, and Ultra-High Brightness of 2,200 lumens. The BLU-Escent laser diode light source also contributes to project images that come close to reality. Compatible with the latest HDR10+, the projector boasts industry leading HDR performance. 8K, Laser, and HDR are the keywords that describe JVCs DLA-NZ7. *As a home theatre projector, as of September 2021; according to a research by JVCKENWOOD.

8K/e-shift technology reproduces 8K image quality

New 0.69-inch 4K D-ILA (4096 x 2160) device x 3

BLU-Escent Laser Light Source

High brightness of 2,200 lm provides vibrant and dynamic images

17-element, 15-group all-glass 65mm diameter high-quality lens

Native Contrast Ratio of 40,000:1 translates to a spectacular Dynamic Contrast Ratio of ∞ :1

2x HDMI (48 Gbps, HDCP 2.3) inputs, supporting 8K60P and 4K120P input signals

HDR10+ contains the metadata of the producer's intentions for each scene, and with such data, the projector is able to automatically reproduce images as the creator intended.

Frame Adapt HDR* dynamically tone maps any HDR10 content frame-by-frame or scene-by-scene and automatically performs adjustment to achieve optimal images close to reality as seen by human eyes. As a part the Frame Adapt HDR, the projector offers improved gamma processing accuracy from 12- to 18-bit equivalent to reproduce smoother and finer gradation

New Theater Optimizer** function, which works in Frame Adapt HDR mode, offers optimum HDR images by analyzing usage environments using the screen size and gain information and intelligently adjusts tone mapping.

Auto Tone Mapping function automatically adjusts settings for optimum HDR10 image quality

For easy reproduction, the projector switches automatically to HDR picture mode when HDR10 signals are received

Nine settings of Installation Mode include Lens Control, Pixel Adjustment, Mask, Anamorphic on or off, Screen Adjust, Installation Style, Keystone, Pincushion, and Aspect; stored installation modes for various environments can be called up.

Low Latency Mode suppresses display delay for faster response when receiving signals from PC and game consoles

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DLA-NZ7B

	DLA-NZ7
General Editing Note	
General Note:	Simulated pictures.The values for weight and dimensions are approximate.E.&O.E. Design and specifications subject to change without notice.
Device	
D-ILA Technology	Yes
Chip Type	0.69-inch 4K D-ILA device
Native Resolution	4096 x 2160
Number Of Chips	3
8K/e-shift	Yes
Display Resolution	8192 x 4320
Light Source	
Laser	Yes
Type	BLU-Escent Laser Diode
Life Time (Standard Mode)	20000 hours
Picture	
Brightness	2200 lm
Dynamic Contrast	∞ : 1
Native Contrast	40000 : 1
Dynamic Light Power control	Yes
Modes	Mode 1 (gentle), Mode 2 (strong), Off
Manual Aperture	
Range	-15 (stops down) to 0 (opens up)
100% REC 709	Yes
Color Bit Depth	12 bit
ISFccc Certification	Yes
HDR	
HDR10	Yes
HDR10+	Yes
Frame Adapt HDR	Yes
Theatre Optimizer	Yes
HLG	Yes
Auto Tone Mapping	Yes
Mastering Info Display	Yes
Info data	MaxCLL and MaxFALL mastering data
HDR Picture Modes	BT.709 / BT.2020 / DCI / HDR
Lens	
Zoom	2 x
Throw Ratio	1.35-2.75:1
Diameter	65 mm
Material	All-glass
Build	17-element, 15-group in full aluminium lens barrel.
Lens Shift	Yes
Range Horizontal	± 34 %
Range Vertical	± 80 %
Motorized Zoom	Yes
Motorized Shift	Yes
Motorized Focus	Yes
Projection Display size (diagonal)	60 - 200 inch
Memory Function	Yes

Number of user presets	10
Lens Cover	Yes
HDMI	
Number of connections	2
Data Rate	48 Gbps
HDCP Version	2.3
8K60P signal input	Yes
4K120p signal input	Yes
4K60P signal input	Yes
Video Signal range	480p, 576p, 720p 60/50, 1080i 60/ 50, 1080p 120/ 100/ 60/ 50/ 30/ 25/ 24, 3840 x 2160p 120/ 100/ 60/ 50/ 30/ 25/ 24, 4096 x 2160p 120/ 100/ 60/ 50/ 30/ 25/ 24, 7680 x 4320p 60/ 50/ 30/25 /24
PC Signal range	VGA / SVGA / XGA / WXGA / WXGA+ / SXGA / WSXGA+ / UXGA / WUXGA / WQHD (60) / WQHD (120)
Input Level Adjustment	Auto / Standard (16-235) / Enhanced (0-255) / Super White (16-255)
Color Space Range	Auto/ YCbCr4444 / YCbCr422 / RGB
EDID Modes	A and B (older hardware may need to use B settings)
Connections	
Trigger out	Yes
Connector	Mini-Jack (3,5mm)
Power	DC 12V / 100mA
3D Synchro	Yes
Connector	Mini DIN 3-pin
LAN	Yes
Connector	RJ45
RS-232	Yes
Connector	D-sub 9-pin
Service	Yes
Connector	USB (Type A) for firmware update.
3D	
3D Capability	Yes
3D Versions	Frame Packing, Side-by-Side, Top & Bottom
Frame Packing Resolutions	720p 60/50, 1080p 24
Side-by-Side Resolutions	720p 60/50, 1080p 60/50/24, 1080i 60/50
Top & Bottom Resolution	720p 60/50, 1080p/24
3D Emitter (Optional)	Yes, PK-EM2
3D Glasses (Optional)	Yes, PK-AG3
Picture Settings	
Picture Modes	Natural, Cinema, HDR10+, Frame Adapt HDR, HDR10, HLG, Pan_PQ, 6 User modes
Color Temperatures	5500K, 6500K, 7500K, 9300K, High Bright, HDR10+, HDR10, HLG, Custom 1, Custom 2
Gamma Processing Depth	12 bit
Gamma Adjust	HDR (Auto), HDR(PQ), HDR(HLG), 2.2, 2.4, 2.6, Cinema 1, Cinema 2, Pana_PQ, 3 Custom modes
Color Management	6-Axis adjustable CMS
MPC	Yes
Low Latency Mode	Yes
Clear Motion Drive	Yes
Motion Enhance	Yes
Auto Calibration	Yes
Optional Probe needed	Yes
Installation Mode	Yes
Number of presets	10

Included settings	Lens Control, Pixel Adjustment, Mask, Anamorphic on or off, Screen Adjust, Installation Style, Keystone, Pincushion, and Aspect
Anamorphic Modes	4 Modes (A, B, C, D)
Control4 SDDP	Yes
Power & Environment	
Power Requirement	AC100-240V, 50/60Hz
Projector in Use	420W
Standby	Eco Mode 0.20W
Network Standby	1.21W (LAN), 0.94W (RS-232C), 1.22W (LAN + RS232C)
Switchover time	Approx. 15 min. (To standby or networked standby; default)
Fan Noise	24 dB
Eco Mode	Yes
Standby Timer	Yes
Operating Temperature	5°C to 35°C
Operating Humidity	20% to 80%
Installation Angle	Horizontal +/- 5 degree / Vertical +/- 10 degree
Installation Height	Below 2,000 m
Dimensions & Weight	
Product Dimensions (WxHxD)	500 x 234 x 505 (mm)
Product Weight	22,5 Kg
Package Dimensions (WxHxD)	640 x 415 x 665 (mm)
Package Weight	27,9 Kg
In the box	
Remote Control	Yes, RM-MH27
User Manual	Yes
Power Cord	Yes
Batteries	Yes, 2 x AAA-size batteries