JVC

Laser Projector

LX-NZ3

All day performance

4K UHD · DLP Texas Instruments · HDR High Dynamic Range · BLU-Escent

JVC — Expertise in High-end Projectors Reveals the Latest 4K-resolution Laser Light Source UHD/HDR Home Cinema Projector.

We have developed high-definition home cinema projectors for more than 20 years, and are proud to introduce the 4K UHD- and HDR-compatible DLP projector, LX-NZ3.

Equipped with professional technologies such as laser light source BLU-Escent® technology with long life and high brightness, HDR image adjustment functions, and DMD device, all images are projected vividly with high resolution.

Even without a full-fledged theatre room, this projector can be enjoyed by anyone in a living space with ambient light.

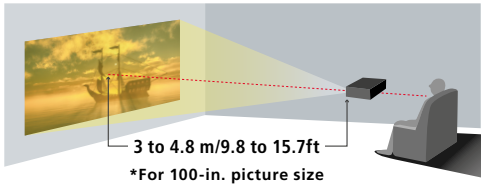
DLP Projector
LX-NZ3

- Laser Light Source Technology BLU-Escent with 20,000 hours life.
- Dynamic contrast ratio: Infinity:1
- Brightness: 3,000 lm

One Size Fits All.

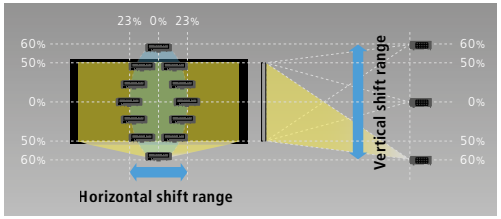
Transform any room into a theatre room regardless of the room size.

In order to make full use of the 4K resolution, the LX-NZ3 features a high-performance zoom lens. For a typical 100-inch picture size, the projector would be installed between 3 and 4.8 metres (9.8 and 15.7 feet) from the screen with a lens offering a 1.6 times zoom ratio.



Thanks to the wide lens-shift, you can install it wherever suits you.

Projectors without a lens-shift function most likely use keystone adjustment to adjust the distorted screen images, however this can drastically degrade picture quality even with high-resolution panels as adjustments are applied electronically with keystone. There are no such worries with the LX-NZ3 since it features a wide lens shift: ±60 % vertically and ±23 % horizontally.



Lens shift function: 60 % vertical, 23 % horizontal

Compact and lightweight design for installation convenience.

Size isn't the thing with the LX-NZ3. Just 40 cm wide, 34 cm in depth, and weighing only 6.3 kilograms, this space-saving model can be installed where it is most convenient, hanging from the ceiling or placed on a shelf.

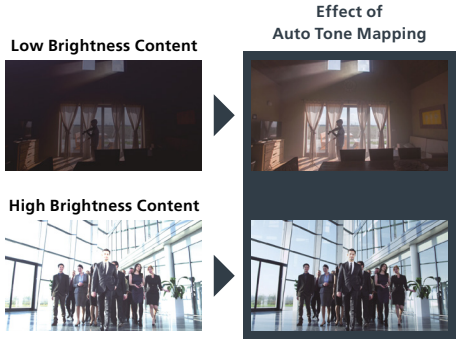
Feel the Experience.

Feel the immersion as if you are in the projected image.

High Dynamic Range (HDR) is a technology to accurately reproduce realistic, dynamic images in which finer gradations and colours are clearly visible, even in the lightest and darkest areas of the picture. In addition to UHD BD and HDR10 content technology applied for streaming, the LX-NZ3 also supports Hybrid Log Gamma (HLG) for broadcast signals to deliver images full of reality.

Optimal images for various content without difficult adjustments.

The LX-NZ3 features an original Auto Tone Mapping function that adjusts HDR10 content to optimum images automatically. The function is designed to automatically adjust each content based on the values in the mastering data, such as Max CLL and Max FALL[*1], which indicate the brightness of the HDR content. Image quality is automatically adjusted for optimum viewing of various HDR images with different brightness.[*2]



*1: Max CLL (stands for Maximum Content Light Level); Max FALL (stands for Maximum Frame Average Light Level).

*2: Content without mastering info is set at fixed level or can be adjusted manually.

Bright, high-definition 4K images.

LX-NZ3 adopts a 0.47-inch DMD device and bright DLP projection method to reproduce 4K resolution (3840 x 2160 pixels), which is four times full HD resolution. Its bright and colourful impressive 4K reproduction can let you feel the presence and depth in the scenes unfolding on the screen.

Optimum picture mode selected by automatically detecting the signal.

HDR content can be projected in brighter, higher resolution and more dynamically. In addition to HDR10, which is found on Ultra HD Blu-ray™ discs, the projector also supports HLG (hybrid log-gamma) signal, a technology used widely in broadcasting. Moreover, the projector switches to the optimum picture mode by detecting the input signal so there are no more tedious settings necessary to enjoy HDR content.

Full-spec 4K video input for more vivid and high-definition 4K images.

The LX-NZ3 is compatible with full-spec 4K input at 18Gbps bandwidth – supporting 4K/60p 4:4:4/36bit, 4K/60p 4:2:2/36bit, and 4K/24p 4:4:4/36bit signals – for more vivid colours and subtle gradations. What's more, HDCP2.2[*3] compatibility means that this projector supports the latest video-streaming services and copyright-protected content such as UHD Blu-ray discs.

*3: Only with the HDMI 1 terminal; HDMI 2 terminal supports HDCP1.4.

Night or Day.

BLU-Escent

No dark room required. 4K high-quality images anywhere, all the time.

Maybe you always thought you needed a special room to watch projected images? Not anymore. The LX-NZ3, equipped with BLU-Escent laser light source, achieves a highly bright luminosity of 3,000 lumens to enable high-quality projection without fuss even in an ambient light environment where the lights can't be turned off or blocked completely.

Enjoy cinemas for a long time with long-life laser light source.

Normally, with projectors having a lamp as the light source, there is limitation for lamp life and requires periodical replacement and maintenance. The LX-NZ3 features a laser diode light source called BLU-Escent with longevity of 20,000 hours, allowing viewers to enjoy cinema viewing and forget about operation life.

Specifications

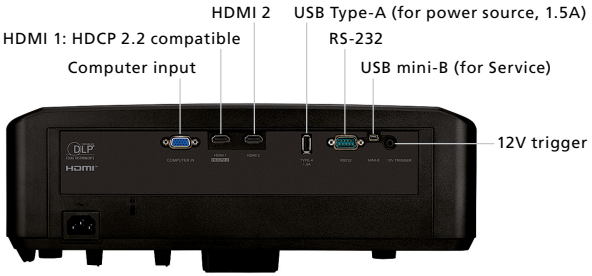
Model		LX-NZ3
Device		0.47" DMD (1920 x 1080)
Resolution		3840 x 2160
Lens		1.6x manual zoom/focus lens f=14.3 ~ 22.9 mm, F 1.809
Lens shift		Manual: Vertical ±60 %, Horizontal ±23 %
Projection display size		60~200-inch
Light source		BLU-Escent (Laser diode) (Life: Approx. 20,000 hours)
Brightness		3,000 lm
Contrast ratio		Dynamic: Infinity:1
HDR		Compatible (HDR10 / HLG)
Input terminals	HDMI	2 (HDCP 2.2 compatibility x 1, HDCP 1.4 x 1)
	Computer	1 (D-sub 15-pin)
Output terminals	USB Type A	1 (Power supply 5 V/1.5 A)
	Trigger	1 (Mini jack, 12 V/0.1 A)
Control terminals	RS-232C	1 (D-sub 9-pin)
	USB Type B (mini)	1 (for service)
Power consumption		360 W (Standby: 0.5 W)
Fan noise		29 dB/34 dB (Eco/Normal)
Power requirement		AC 100 – 240 V, 50/60 Hz
Dimensions (W x H x D)		405 x 145.8 x 341 mm/15-7/8" x 5-3/4" x 13-1/2"
Weight		6.3 kg/13.9 lbs

Projection Distance Chart

Screen diagonal (inch)	Display size (16:9) Width (inch)	Width (cm)	Height (inch)	Height (cm)	Projection distance Wide (inch)	Wide (cm)	Tele (inch)	Tele (cm)
80	70	177	39	100	94	240	151	384
90	78	199	44	112	106	270	170	432
100	87	221	49	125	118	300	189	480
110	96	244	54	137	130	330	208	528
120	105	266	59	149	142	360	227	576
130	113	288	64	162	154	390	246	624
140	122	310	69	174	165	420	265	672
150	131	332	74	187	177	450	283	720
160	139	354	78	199	189	480	302	768
170	148	376	83	212	201	510	321	816
180	157	398	88	224	213	540	340	864
190	166	421	93	237	224	570	359	912
200	174	443	98	249	236	600	378	960

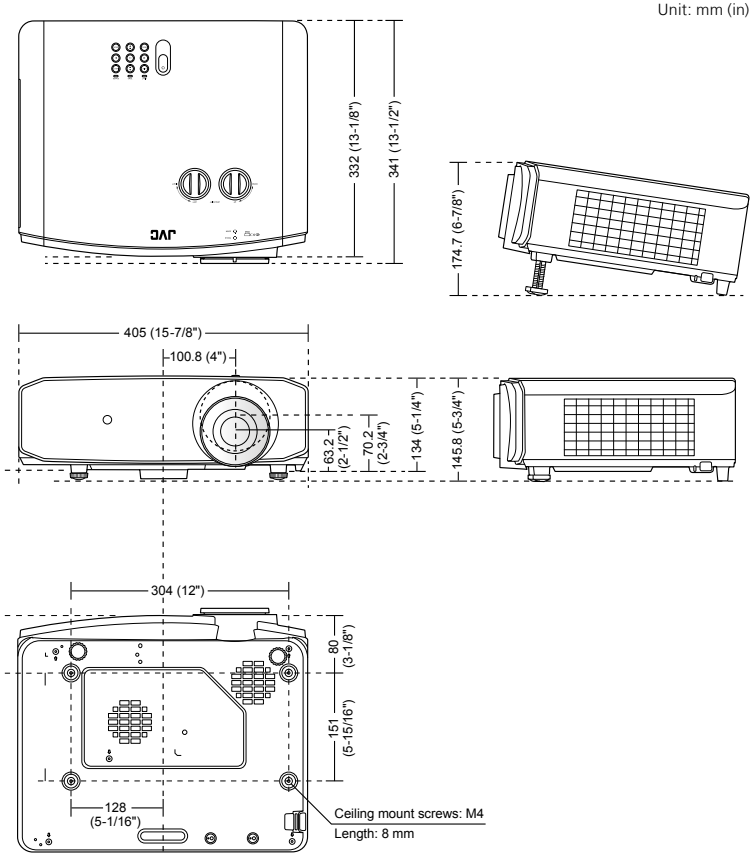
*Projection distances are design specifications accurate to ±5%.

Connectors



External Dimensions (W x H x D): 405 x 145.8 x 341 mm (15-7/8" x 5-3/4" x 13-1/2")

Unit: mm (in)



• BLU-Escent is a registered trademark of JVCKENWOOD Corporation. • DLP, the DLP logo, and DMD are registered trademarks of Texas Instruments. • HDMI, the HDMI logo and High-Definition Multimedia Interface are registered trademarks of HDMI Licensing LLC. • All other brand or product names may be trademarks and/or registered trademarks of their respective owners. • An additional payment is required for installation of the projector, if necessary. • All pictures in this brochure are simulated. • Design and specifications are subject to change without notice. • Any rights not expressly granted herein are reserved.

Copyright © 2019, JVCKENWOOD Corporation. All Rights Reserved.

https://uk.jvc.com/projectors/

PJC-19014EJ

"JVC" is the trademark or registered trademark of JVCKENWOOD Corporation.