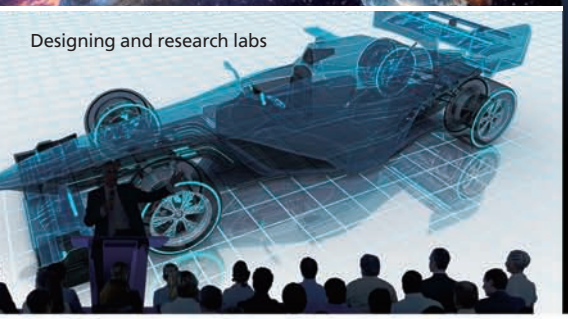
JVC

D-ILA PROJECTORS

DLA-VS4810
DLA-VS4010

D-ILA technology and laser light projects immersive images.
Two new models for your high-resolution projection scenarios.

D-ILA® BLU-Escent



Laser light source for high
D-ILA Projector delivers a high-

DLA-VS4810

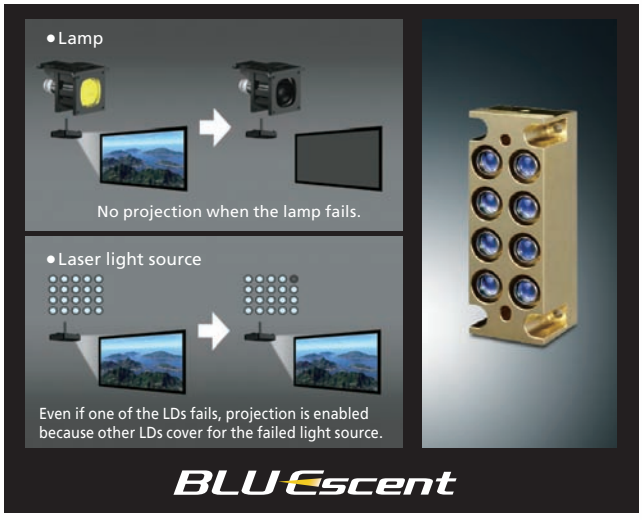
- Light source: Laser diode
- Display resolution: 8192 x 4800
- Brightness: 5,400lm
- Contrast ratio: 10,000:1

8K e-shift D-ILA BLU-Escent

Original Technology in Laser Light Source

Featuring laser light source BLU-Escent that offers high reliability with low maintenance cost

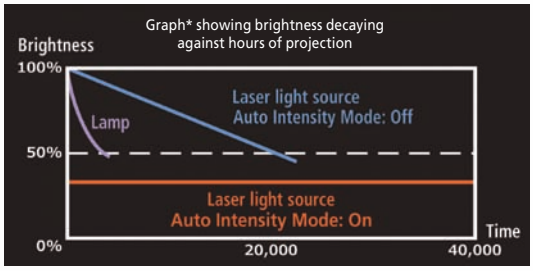
JVC original BLU-Escent light source technology uses Blue Laser diodes to achieve a high brightness of 6,000 lm*. Its fixed fluorescent body using organic material not only helps to suppress degradation over time but also enhances reliability as the body contains no motor or other moving parts. What's more, the light source contains multiple laser diodes so it can be used for a long time since there is no risk of a sudden blackout like lamps. Expert technology and unique characteristics of the light source combine to realise a light source lifespan of more than 20,000 hours, helping to drastically reduce maintenance labour and cost.



*On the DLA-VS4010. 5,400 lm for the DLA-VS4810; brightness figures are taken when using the optional lens GL-MS4015SZ on both models.

Auto Intensity Mode maintains the same brightness

The projector is equipped with Auto Intensity Mode, which is an internal sensor that maintains the same brightness of light source. Turn on the Auto Intensity Mode for lower maintenance intervals.

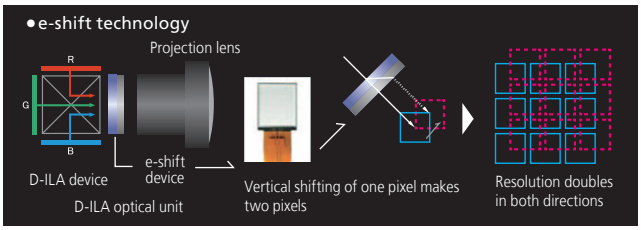


*Actual values will vary depending on the usage environment and conditions.

Dynamic images deliver stunning contrast and silky gradations

Original e-shift technology for displaying in higher definition (DLA-VS4810)

JVC's e-shift technology shifts sub-frames by 0.5 pixels vertically and horizontally to achieve 4 times the pixel density of the original content. The DLA-VS4810, which employs 8K e-shift technology, achieves 8K (8192 x 4800) resolution with temporal and spatial shifting of 4K resolution images. Best of all, the projector is compatible with existing 4K lenses and video cards that are designed for 4K resolution projectors.



High native contrast ratio of 10,000:1 to achieve realistic black

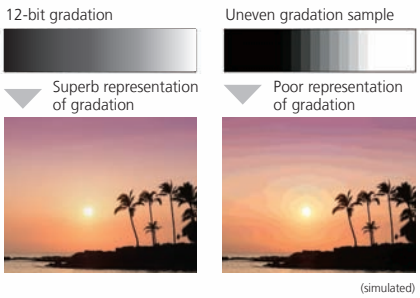
By adopting JVC's unique D-ILA device and wire grid system with its high polarization accuracy, both projectors achieve deep and realistic black with a high native contrast ratio of 10,000:1. With their wide dynamic range, these projectors have the capability to deliver immersive video full of reality.

DLA-VS4810/DLA-VS4010

Conventional projector

12-bit processing (36-bit: 12-bit per each of RGB colours) for smooth and silky colour reproduction

12-bit processing for each RGB colour enables natural, precise and faithful colour representation for both light and dark areas to reproduce naturally delicate tones and shades.



(simulated)

h brightness and low running cost.
-contrast high-definition solution.

DLA-VS4010

- Light source: Laser diode
- Display resolution: 4096x2400
- Brightness: 6,000lm
- Contrast ratio: 10,000:1

4K D-ILA BLUEscent

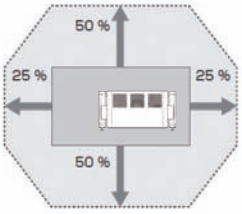

Simulator


Museums

Freedom of Installation

Vertical/Horizontal lens shift

All optional lenses feature a motorized lens shift function with ±50% vertical and ±25% horizontal shift range*, offering freedom of installation.

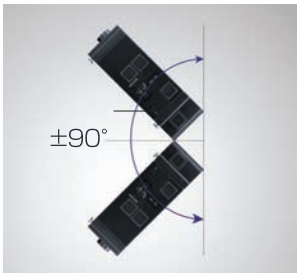


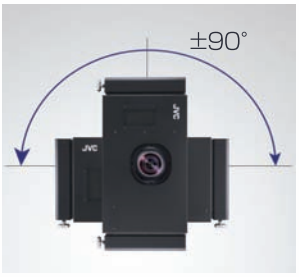
Lens shift range

*Shift range for the GL-MS4011S is ±15% vertical/±5% horizontal.

Projection in portrait orientation

These projectors can be tilted for diagonal installation as well as vertically for portrait installation. This will greatly broaden the projector application possibilities.





Stackable design

For added convenience, these projectors can be stacked one on top of another, providing flexible installation capabilities that accommodate even the projection of 3D video.

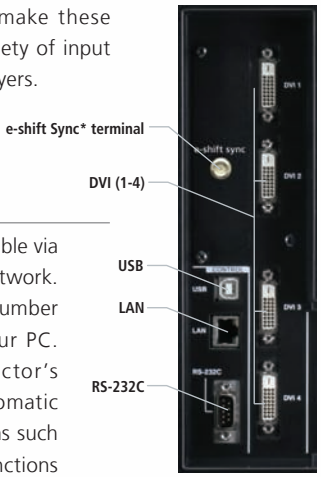
Continue using conventional lens options

Both projectors feature an optical system that lets you use of the same optional lenses used with existing models such as DLA-SH4K, DLA-SH7NL and DLA-VS4800. This facilitates projector replacement from an existing lamp system installation to one of the two projectors with laser light source.

Easy-to-use Interface and Excellent Operability

Four DVI (dual-link) terminals

Four DVI (dual-link) terminals make these projectors compatible with a variety of input signals such as PCs and media players.



*e-shift Sync connector is featured only on the DLA-VS4810.

Ethernet networking

Easy setup and adjustment is possible via web browser through Ethernet network. So you can setup and adjust a number of projectors remotely from your PC. What's more, using the projector's e-mailing function enables automatic notification of projector conditions such as error data. These network functions greatly enhance the serviceability of the projector.

Various picture quality adjustments

Six test patterns including Crosshatch and Colour Bars are built into the projector. Using these test patterns, it is possible to finely adjust picture quality without using external signal sources. Additionally, three gamma tables are equipped for gradation expression that matches the source video.


Picture quality adjustment GUI

High-precision convergence adjuster

These projectors are equipped with a high-precision Convergence Adjuster that is capable of fine tuning colour gaps in 1/10-pixel increments. This adjuster enables fine adjustment even after the projector is fully installed in its dedicated position.

Before adjustment

After adjustment

(simulated)

■ Specifications

		DLA-VS4810	DLA-VS4010
Device		1.27-inch D-ILA device*1 (4096 x 2400) x3 (aspect ratio: approx. 17:10) + e-shift device	1.27-inch D-ILA device*1 (4096 x 2400) x3 (aspect ratio: approx. 17:10)
Display resolution		8192 x 4800	4096 x 2400
Projection lens		Optional	
Light source		Laser diode	
Brightness *2*3		5,400 lm	6,000 lm
Contrast ratio *2*3		10,000:1 (native)	
Input connectors	Video	24-pin (compatible with 12-bit extended input) DVI-D (Dual Link) x 4	
	e-shift sync	BNC x 1	—
Control terminal	LAN	RJ45 x 1	
	RS-232C	D-sub 9-pin (male) x 3	
	USB	Type-B (slave) x 1	
Video input		4096x2400*4, 4096x2160*4, 3840x2400*4, 3840x2160*4, 2048x1200, 2048x1080, 1920x1200, 1920x1080, 1600x1200, 1280x1024, 1024x768, 800x600, 640x480	
Power requirement		AC 110 V~240 V, 50/60 Hz	
Power consumption		1250 W (Stand-by: 7 W)	
Current consumption		11.5 A (110 V~240 V)	
Calorific power		4500 KJ/h (1075 kcal/h)	
Allowable operating temperature range		10°C to 35°C	
Allowable operating humidity range		20% – 80% (non-condensation)	
Allowable storage temperature range		-5°C to 60°C	
Noise		< 53 dB	
External dimensions (W x H x D)		660 x 342 x 934 mm (including base feet, excluding lens)	
Weight (net, without lens)		Approx. 74.5 kg	Approx. 73.5 kg

*1: Please be aware that, because the D-ILA device is manufactured using highly advanced technologies, 0.01% or fewer of the pixels may be non-performing (always on or off).
*2: Indicated figure represents mean value of the whole product before shipment.
*3: When using the optional lens GL-MS4015SZ.
*4: Displays 8K resolution when e-shift function is in operation.

■ Projection Distance Chart*

Projection screen size (in) / Approx. diagonal length (m)	Image width (m)	Projection distance (m)						
		GL-MS4011S	GL-MS4015SZ		GL-MS4016SZ		GL-MS4021SZ	
			Tele	Wide	Tele	Wide	Tele	Wide
50 / 1.27	1.10	1.16	—	—	1.97	1.58	—	—
60 / 1.53	1.31	1.41	—	—	2.37	1.92	—	—
70 / 1.79	1.53	1.66	—	—	2.78	2.25	—	—
80 / 2.03	1.75	1.91	3.19	2.58	3.19	2.58	6.38	3.72
90 / 2.29	1.97	2.16	3.60	2.91	3.60	2.91	7.19	4.24
100 / 2.54	2.19	2.41	4.01	3.25	4.01	3.25	8.01	4.71
110 / 2.79	2.41	2.66	4.42	3.58	4.42	3.58	8.82	5.17
120 / 3.05	2.63	2.91	4.83	3.91	4.83	3.91	9.63	5.64
130 / 3.30	2.85	3.17	5.24	4.25	5.24	4.25	10.44	6.11
140 / 3.56	3.07	3.42	5.65	4.58	5.65	4.58	11.25	6.57
150 / 3.81	3.29	3.67	6.06	4.91	6.06	4.91	12.06	7.04
160 / 4.06	3.51	3.92	6.46	5.25	6.46	5.25	12.87	7.50
170 / 4.32	3.73	4.17	6.87	5.58	6.87	5.58	13.68	7.97
180 / 4.57	3.94	4.42	7.28	5.91	—	5.91	14.49	8.44
190 / 4.83	4.16	4.67	7.69	6.24	—	6.24	15.30	8.90
200 / 5.08	4.38	4.92	8.10	6.58	—	6.58	16.12	9.44
210 / 5.33	4.60	5.17	8.51	6.91	—	6.91	16.93	9.83
220 / 5.59	4.82	5.43	8.92	7.24	—	—	17.74	10.30
230 / 5.84	5.04	5.68	9.33	7.58	—	—	18.55	10.77
240 / 6.10	5.26	5.93	9.74	7.91	—	—	19.36	11.23
250 / 6.35	5.48	6.18	10.15	8.24	—	—	20.17	11.70
260 / 6.60	5.70	—	10.55	8.58	—	—	20.98	12.16
270 / 6.86	5.92	—	10.96	8.91	—	—	21.79	12.63
280 / 7.11	6.14	—	11.37	9.24	—	—	22.60	13.10
290 / 7.37	6.36	—	11.78	9.57	—	—	23.41	13.56
300 / 7.62	6.57	—	12.19	9.91	—	—	24.23	14.03

*Projection distance values are based on projecting a picture resolution of 4096 x 2400.
Because values are design specifications, there is a variation of ±5%.

■ Options

Short Focal Lens
GL-MS4011S
- Short focal lens
- Projection distance ratio: 1.1:1
- Motorised lens shift: ±15% vertical, ±5% horizontal
- Zoom ratio: Fixed ● Weight: 3.4 kg

Zoom Lens
GL-MS4015SZ
- Projection distance ratio: 1.5:1 to 1.84:1
- Motorised lens shift: ±50% vertical, ±25% horizontal
- Zoom ratio: 1.22x ● Weight: 3.6 kg

Zoom Lens
GL-MS4016SZ
- Close range compatibility
- Projection distance ratio: 1.5:1 to 1.84:1
- Motorised lens shift: ±50% vertical, ±25% horizontal
- Zoom ratio: 1.22x ● Weight: 3.6 kg

Zoom Lens
GL-MS4021SZ
- Projection distance ratio: 2.15:1 to 3.65:1
- Motorised lens shift: ±50% vertical, ±25% horizontal
- Zoom ratio: 1.69x ● Weight: 3.6 kg

■ Graphics Interface

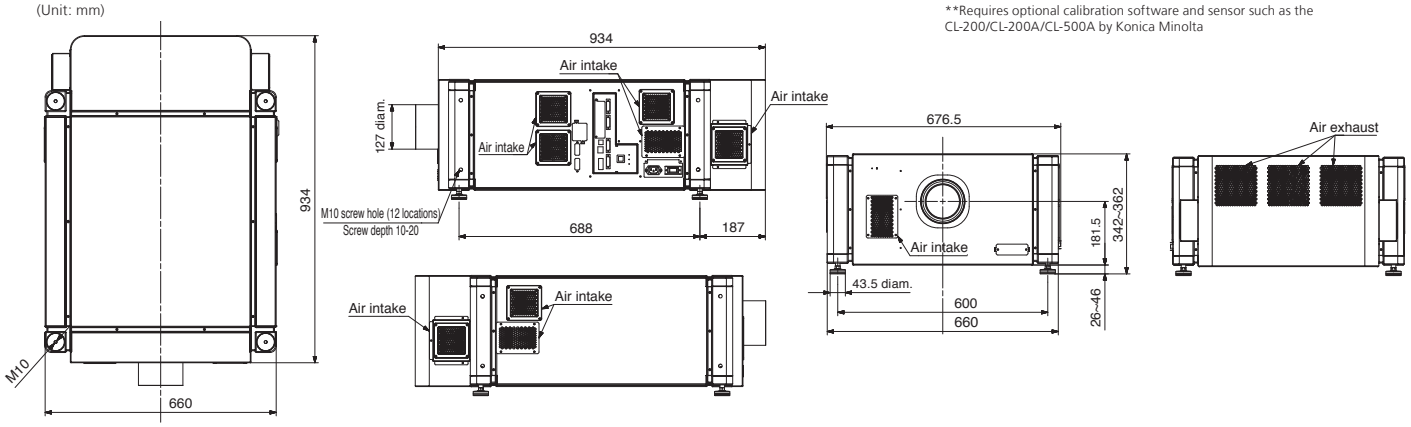
PK-VS4GD4

- Realizing optimum picture quality that matches the application
- Features colour matching function for displaying with multiple screens**
- Blending (vertical/horizontal) function
- Offset, brightness, gamma and other picture quality adjustment functions
- Connectors: 4 DVI-D inputs, 4 DVI-D outputs, RS-232C, extended I/O, USB, and Ethernet
- External dimensions (W x H x D): 420 x 54 x 280 mm (EAI 1U rack compatible)
- Weight: 3.4 kg
- Supplied accessories: AC adapter, rack mounting bracket

**Requires optional calibration software and sensor such as the CL-200/CL-200A/CL-500A by Konica Minolta

■ External Dimensions (equipped with one of the optional lenses)

(Unit: mm)



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