

JVC

PRODUCT NEWS

DILA-SX090

0.9-inch SXGA D-ILA™ device

Reflective LCD panel module with full coverage of SXGA graphics



- High-resolution SXGA device for projectors offering industry-leading performance among mass-produced devices

This device is rated Number One among high-resolution reflective LCD devices for projectors. Based on our reflective-type LCD, the DILA-SX090's high-resolution SXGA (1365 x 1024) images and high light output have made it the industry's leading choice.

- High-resolution LCOS (Liquid Crystal On Silicon) to meet today's demands for superior picture quality

In addition to being able to deliver better than SXGA resolution, the LCOS has excellent image quality (Resolution, Brightness, Color, etc.) with high light output. This makes it an excellent choice for high-definition front projectors, rear-projection TVs and displays.

D-ILA projection device, JVC's LCOS (Liquid Crystal On Silicon), is the world's only device of this type in mass production.

JVC's original D-ILA device offers the ultimate in projection performance. Its exclusive technology combines high aperture ratio and high light output with high contrast and high-density pixels to assure today's highest quality image reproduction capability. The following four features make this outstanding performance possible.

1 Reflective type

Pixel addresses and liquid crystals are aligned in three dimensions, making it possible to achieve a very high aperture ratio.

2 Vertically aligned liquid crystal layer

This is the key to the D-ILA device's superior performance. By aligning the liquid crystal layers vertically, much higher contrast and faster response are possible.

3 High-density pixels

The unique design of the D-ILA device gives it the highest density potential of any device on the market today. This makes it possible to achieve higher resolutions with the same size and smaller sizes with the same resolution.

4 High light output

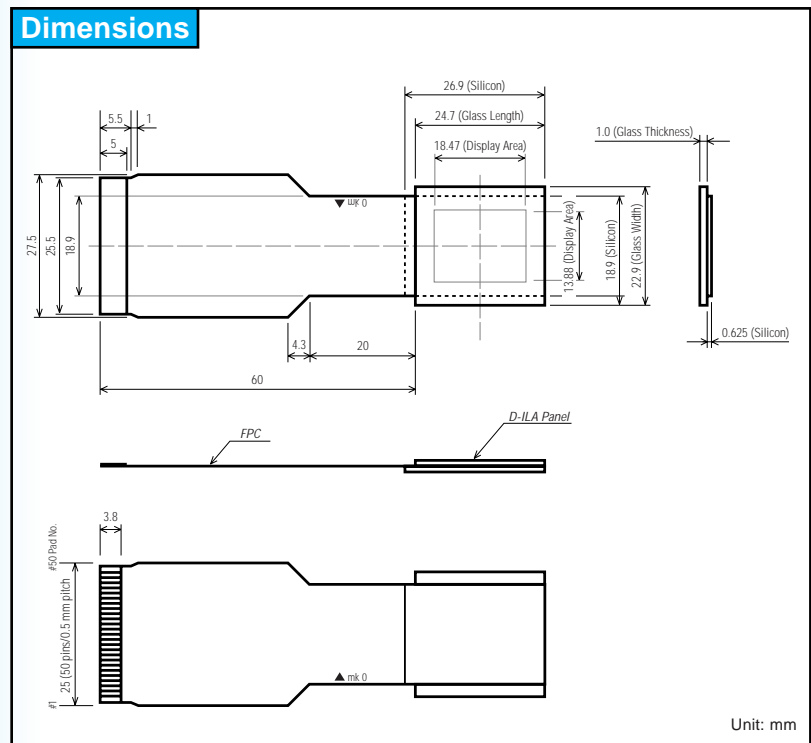
The combination of high aperture ratio and optimized light efficiency maximize the projection light output.

Drive IC and panel evaluation kits

JVC supplies driving ICs (DPD: D-ILA Panel Drive IC), FAMs (Final AMP Module), and panel evaluation kits to support the development of projectors using D-ILA devices.

Specifications (DILA-SX090)

Display method	Reflective type active matrix method
Display size	0.907 inch diagonal
Effective display area	18.5 (H) x 13.9 (V) mm
Resolution	1365 (H) x 1024 (V)
Pixel pitch	13.5 (H) x 13.5 (V) μ m
Contrast ratio	850:1
Response time	<16 ms (rise + fall)
Supply voltage	-5 V (digital), -15 V (signal)



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Design and specifications subject to change without notice.

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