

JVC

NEW PRODUCT NEWS

DILA-SX070

0.7-inch SXGA+ D-ILA™ device

Super-compact 0.7-inch projection device offering enhanced high-resolution SXGA+



- At 0.7 inch, this is the industry's smallest projection device capable of delivering SXGA+ high resolution images

Based on our market-proven SXGA device, this device features a higher pixel density that enables it to deliver SXGA+ resolution in a more compact 0.7-inch device.

- Ideal in use for the high-definition rear-projection TVs and small front projectors

With its enhanced SXGA+ resolution (1400 x 1050 pixels) and miniaturized design, this device is ideal for incorporation in high-definition rear-projection TVs and displays as well as in small front projectors.

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.

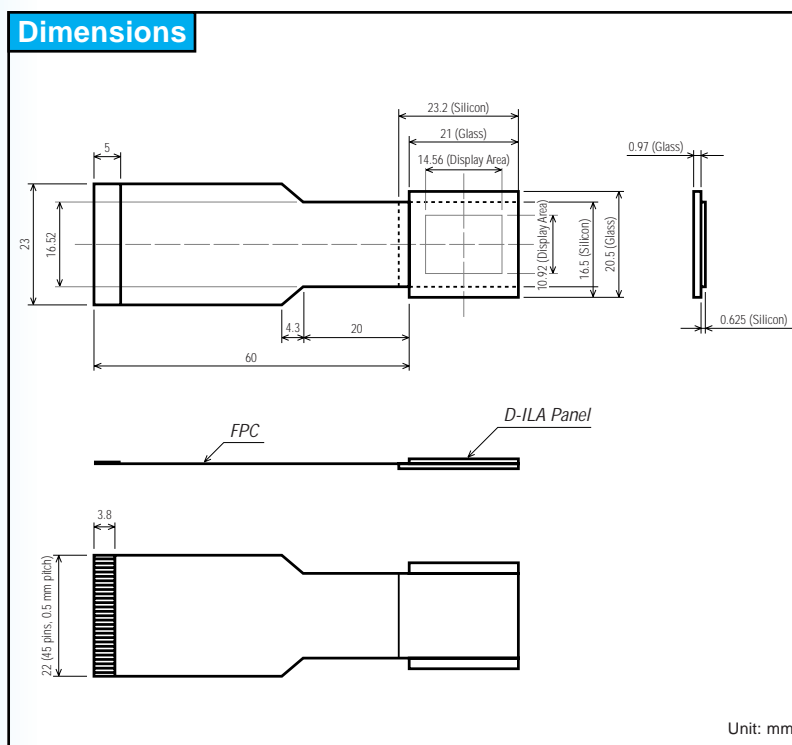
Drive IC and panel evaluation kits

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-SX070)

Display method	Reflective type active matrix method
Display size	0.717 inch diagonal
Effective display area	14.6 (H) x 10.9 (V) mm
Resolution	1400 (H) x 1050 (V)
Pixel pitch	10.4 (H) x 10.4 (V) μm
Contrast ratio	1000:1
Response time	<16 ms (rise + fall)
Supply voltage	+5 V (digital), -10 V (signal)

Dimensions



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Design and specifications subject to change without notice.

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