

# Infinipix™ Gen2

## The processing platform that brings out the best in Barco LED walls

Did you know that the performance of your LED wall is only as good as its underlying processing? The best-looking wall is one running on Infinipix™ Gen2, designed and engineered by Barco. It's your LED's best friend that supports your creativity, makes your content look picture-perfect and always has your back.

### Create flawless viewing experiences

You can create memorable moments with outstanding unique content and impressive LED walls, but if even the smallest artifact disrupts the viewing experience, people will remember your project in a negative way. With lowest latency for showcasing motion content and premium anti-aliasing filters to realize perfectly scaled and sharp images that match the resolution of your display, Barco's Infinipix™ Gen2 is optimized to do your content justice. Always bringing **flawless, smooth and seamless results for still, slow-moving and fast-moving content.**



### Brilliant images, even when dimmed

The Infinipix™ Gen2 platform ensures the best color performance with up to **23-bit color processing** and true dynamic range support.

There are quite some applications where the LED wall is not driven at full brightness, think of control rooms or design centers. With Infinipix™ Gen2 you can keep the **same color accuracy, grey scale levels and details in both dimmed and full brightness mode.** Don't let your creativity be limited by your canvas, and always show your content as intended.

100 %  
brightness



10 %  
brightness

Barco Infinipix™ Gen2

Competition

### Optimal viewing comfort



When looking at an LED screen for long periods of time, eye fatigue can be a serious issue. For control room operators, for example, this is a real issue that can lead to loss of concentration and even eye problems. The cause is the perceivable patterns that originate from driving LEDs. Barco's SteadyView technology strongly counters this effect, helping to reduce eye fatigue.



Common processing

Barco Infinipix™ Gen2

## Ensuring optimal color accuracy

The color gamut of an LED display is limited by the characteristics of the individual LEDs. This affects the video wall's ability to display colorful images accurately. Therefore, Barco developed Smart-Calibration.

This system counters limitations in color gamut of an LED display and unlocks the support of wide color gamuts (including DCI-P3 and even REC2020). The result? An accuracy never seen before, deeper and more saturated hues, and no visual

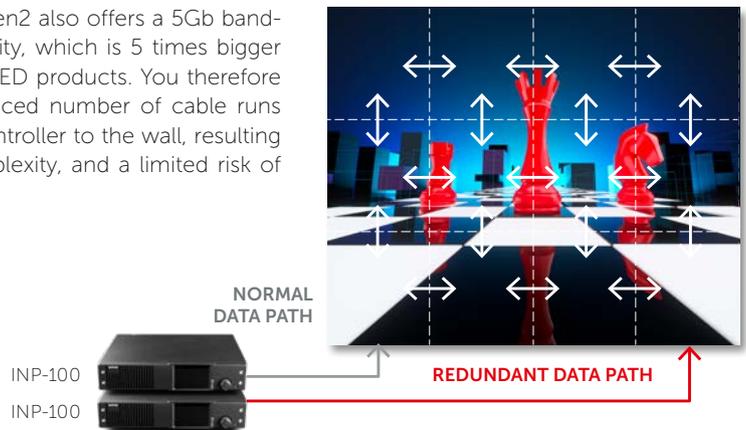


impact on uniformity in areas of the image that would otherwise fall outside of the available color space of the display.

## Guarantee an uninterrupted image

Data typically flows from tile to tile in a daisy chain. If the data path is interrupted, all subsequent tiles in the chain would be void of content. Infinipix™ Gen2 processing provides a **4-way failover system**, which means the data signal is linked to all neighboring LED tiles. When any link breaks, the LED tile picks up the signal from a surrounding module.

Infinipix™ Gen2 also offers a 5Gb bandwidth capacity, which is 5 times bigger than other LED products. You therefore need a reduced number of cable runs from the controller to the wall, resulting in less complexity, and a limited risk of failures.



## Trust a worry-free canvas

The Infinipix™ Gen2 processing platform makes the life of any installer or operator a lot easier with an intuitive and simple **interface and stress-free remote serviceability**. In addition, the JSON-RPC interface enables easy integration with third party monitoring and control solutions.

## Keep your crucial data safe

LED walls are used in various data-critical environments: government monitoring centers, military command posts, internal company presentations... Instead of using the standard transfer protocol, the Infinipix™ Gen2 processors work with a proprietary protocol within an isolated network to eliminate the risk of data leaks to unauthorized parties.



More info on the capabilities of our Infinipix™ LED processing platform?  
Go to [www.barco.com/products/led-image-processing](http://www.barco.com/products/led-image-processing).

© 2022 Barco NV. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest specifications.

M00922-R01-0522-LF May 2022