Infinipix™

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™, 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™ is optimized to do your content justice. Always bringing **flawless, smooth and seamless results for still, slow-moving and fast-moving content.**

Show your true colors

The Infinipix™ platform ensures the best color performance with up to **12-bit color processing** and high 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™ 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.

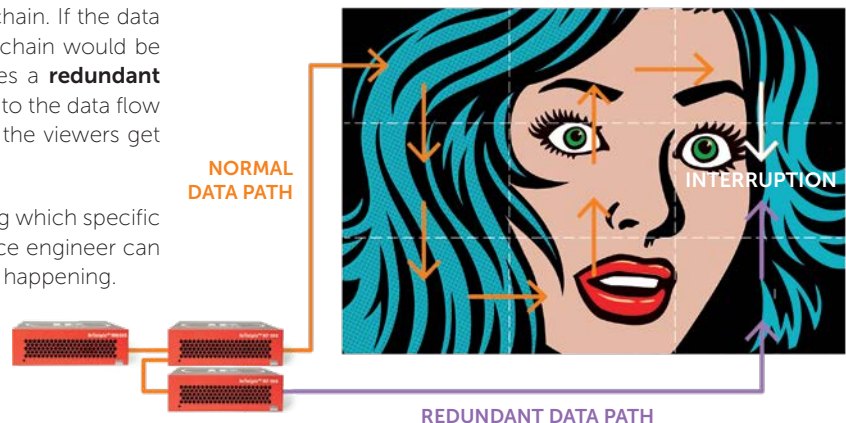100 % brightness

10 % brightness

Barco Infinipix™   Competition

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™ processing provides a **redundant data path** that travels in the direction opposite to the data flow to ensure all LED tiles receive the signals and the viewers get an uninterrupted image.

Infinipix™ will also send out **notifications** telling which specific component needs replacement, so your service engineer can fix the issue and prevent a second failure from happening.

NORMAL DATA PATH

INTERRUPTION

REDUNDANT DATA PATH

BARCO

Trust a worry-free canvas

The Infinipix™ 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™ processors work with a proprietary protocol within an isolated network to eliminate the risk of data leaks to unauthorized parties.

The building blocks of
Barco's LED image processing:

Infinipix™ is platform with different components cooperating as one aligned system to make your Barco LED wall stand out.

NM100

The Infinipix™ manager hosts a straightforward web interface that allows you to access information for your display hardware and offers the tools to (pre)view and manipulate settings on the hardware.
What's more, the Infinipix™ manager monitors your wall, keeps the system running and informs operators of any issues that occur. Save time and money, while Infinipix™ does the work for you!
The NM100 can be configured with a fit-for-purpose licensing model, meaning you can expand and upgrade the system when you need additional advanced features.

NP100

The Infinipix™ NP100 processes the signals coming from connected video sources and transmits them to the receiver cards in the LED tiles. The processor is controlled by the Infinipix™ manager and steers one or more connected LED tile(s).

NR1

The Infinipix™ receiver cards, integrated into the Barco X and XT LED tiles, are the receiving party of the processing flow performing the final corrections on the processed input.

**More info on the capabilities of our Infinipix™ LED processing platform?
Go to www.barco.com/products/led-image-processing.**

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ENABLING BRIGHT OUTCOMES

BARCO