Infinipix® INP-100

Infinipix® Gen2 processor for LED displays

- **Manages one or more connected display(s)**

- **Fine-tunes brightness without any loss of image quality**

- **Allows for brand-specific color calibration**

- **Smooth and seamless results for still and moving content**

The Infinipix® INP-100 is the second generation of Barco's proprietary LED display processors. The INP-100 processes signals coming from connected video sources and transmits them to the Infinipix transceiver cards integrated into the LED tiles.

Delivering flawless viewing experiences

Whatever your needs are, the Infinipix® Gen2 platform helps you get the most out of your LED content.

Whether your application requires a dimmed LED wall or a display run at high-brightness, you can keep the same color accuracy, grey scale levels and details thanks to the Infinipix® Gen2 processing. Don't let your creativity be limited by your canvas, and always show your content as intended.

With lowest latency for showcasing motion content, black frame insertion to optically reduce motion blur and premium anti-aliasing filters to realize perfectly scaled and sharp images, Barco's Infinipix® Gen2 is optimized to bring state-of-the art results and exceptional viewing experiences for still, slow-moving and fast-moving content.

Unmatched reliability

In the unlikely event that the data path is interrupted, all subsequent tiles in the chain would be void of content. Infinipix® Gen2 offers a unique 4-way failover system for the premium TruePix range of LED video walls. This means that there is a data connection to all surrounding tiles, which can take over whenever necessary. Set-up is really easy, as the tiles are automatically recognized and the data path is automatically configured.

Download the Infinipix Gen2 leaflet for more information!Check our Video wall Manager software for more information about how to set-up and configure your displays.

BARCO

Product specifications	INFINIPIX® INP-100
General specifications	
3D sync	Implemented on BNC connector
Wall control	1x GbE RJ-45 connector used as link to a separate Video wall Manager Edge for centralized management
Video outputs	8x SFP Modular Wall Outputs: • SFP+ cages only supporting the Barco included Finisar SFP modules • Using multi mode fiber of minimum type OM3 within the OM specified length
Video inputs	1x HDMI™ 2.0 (type A) and 1x DP1.4 Resolution: HDMI™ 2.0 (Type A): • Up to 4096x2160@60Hz at 4:4:4 at 8 bpc (24 bit/px) • Up to 4096x2160@60Hz at 4:2:2 at 12 bpc (36 bit/px) Displayport 1.4: • Up to 7680x4320@30, YCbCr 4:2:2 at 12bpc (36 bit/px) • Up to 3840x2160@60Hz RGB, or YCbCr 4:4:4 at 12 bpc (36 bit/px) • Up to 3840x2160@120Hz, YCbCr 4:2:2 at 12bpc (36 bit/px) with custom timings Input capabilities: • HDMI™ clock limited to 600 Mhz • Progressive RGB and YCbCr 4:2:2 and 4:4:4 • Supports input bit depth of up to 12 bpc • Refresh frequencies: 23.98 Hz, 24 Hz, 25 Hz, 29.97 Hz, 30 Hz, 47.95 Hz, 48 Hz, 50 Hz, 59.94 Hz, 60 Hz, 100 Hz, 119.88 Hz, 120 Hz, 144 Hz, 240 Hz (Please consult your LED panel specification for its supported frequencies which may be different than what is supported by the processor) • HDCP 1.4, HDCP 2.2, HDCP 2.3 • Not supported: CEC
Altitude low pressure	Max. 2000 m (6562 ft.)
Regulation Compliance	CE, cSGS, SGSus, EAC, BIS, PSE, KC, BSMI, RCM
Environmental temperature	Operational: 0-40° Celsius (32-104° F) Non-operational: -20°C (-4°F) to 60°C (140°F)
Environmental humidity	Operational: 10-85% @ 40° (104° F) non-condensing Non-operational: 10% to 95% @ 40°C (104°F)
Dimensions (HxWxD)	177 x 222.2 x 43.5 mm (7 x 8.75 x 1.7 in)
Weight	2.7 Kg (5.95lbs)
Power consumption	40 Watt
Power supply	100-240VAC, 1.5A-0.8A -50/60Hz
Warranty	3 years standard warranty

Last updated: 17 May 2024

ENABLING BRIGHT OUTCOMES

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