

# TruePix TP1.2-I

1.2 mm pixel pitch, high-res indoor LED display



- **Smart engineering guarantees truly seamless outcomes**
- **Higher brightness, less energy consumption**
- **Smooth and efficient operations, 24/7**
- **Superb color accuracy and contrast, under all lighting conditions**
- **Reduced ecological footprint**
- **Up to 10 years of dedicated service and support**

TruePix TP1.2-I is Barco's new flagship indoor high-resolution LED platform. The 27.5" inch tiles, with a 16:9 aspect ratio, have a pixel pitch of only 1.2 mm. TruePix is designed for control room, corporate and broadcast visualization applications and supports both environments exposed to ambient light and controlled lighting environments.

## **High brightness, low power consumption Truly seamless outcomes**

TruePix brings content to life as intended and ensures predictable, truly seamless outcomes, by combining smart engineering and Infinipix<sup>®</sup> Gen2, the next generation of Infinipix<sup>®</sup>. Smooth and efficient operations are guaranteed 24/7, next to full peace of mind.

Barco TruePix' smart engineering introduces a unique mechanical concept for risk-free and precise installations, eliminating visual distortion. This unmatched seamlessness and flatness are achieved through guided module placement and self-leveling mounts. The next generation of Barco's proprietary Infinipix<sup>®</sup> Gen2 guarantees full image integrity at any brightness level, together with superb color accuracy. It flexibly and automatically supports any content need while reducing eye fatigue.

## **Peace of mind at any time**

Smooth and efficient operations are guaranteed 24/7 through uninterrupted data flows. Users can reduce the carbon footprint by using the EcoPower standby mode. Up to 10 years of dedicated service and support (ensuring a uniform viewing experience) to allow for peace of mind during the entire product lifetime.

**Technische Daten****TRUEPIX TP1.2-I**

<b>LED tiles</b>	
Pixel pitch	1.27 mm
Pixel per module	480x270 (HxV)
Aspect ratio	16:9
LED lifetime	100,000h (video -50% brightness)
Brightness	>1800 nit
Peak brightness	>2300 nit
Internal processing	23 bit
Color depth	16 bit (281 trillion colors)
Shaders	No
Control	Infinipix® Gen2
Refresh rate @60Hz	7680 Hz
3D	3D supported
Frame rate	24 -240 Hz
Hor. viewing angle	160° +/-5°
Vert. viewing angle	160° +/-5°
Brightness uniformity	>98%
Dimming	0-100%
Contrast	>20,000:1
Power consumption	449 W/m <sup>2</sup> (max) 149 W/Tile 195 W/m <sup>2</sup> 41 W/Tile (typ)
Heat dissipation	1532 BTU/h/m <sup>2</sup> (max) 836 BTU/h/m <sup>2</sup> (typ)
Heat dissipation front/back	54% / 46%
Operation power voltage	AC power: 100-240V 50/60Hz DC power: Input: 36-55Vdc 16A (max.) Output: 36-55Vdc 10.72A/36V (max.) or 12.55A/55V (max.)
Operational humidity	10 -80%
Operational temperature	-10°C to +40°C / 14°F to 104°F
Storage temperature	-20°C to +60°C / -4°F to 140°F
Storage humidity	10 -85%
Redundancy	Power: Optional Data: Standard Inter-tile redundancy, Embedded signal loop redundancy, Optional N + N redundancy
HDR	HLG / HDR10 supported
Concave curvature	Up to 5° standard curved tile (7m radius) Up to 5° curved modular tile (3,5m radius)
Convex curvature	Up to 3° standard curved tile (12m radius)
Ceiling configurations supported?	Yes
Dimensions	(WxHxD) 609.92x343.08x71mm / 24.01"x13.5"x2.80"
Weight	Standard / curved tiles: 8.3kg/tile (single PSU) / 8.7kg/tile (dual PSU) Modular curved tiles: 9.1kg/tile (single PSU) 9.5kg/tile (dual PSU)
Serviceability	Full front & full back service Modular curved tile -Full front & full back service (PSU only back access)
Cable management	No external cabling
Installation	Self-leveling with surface tolerance compensation
Module replacement	Automated parallel motorized extraction
Module placement	Guided module placement
Ergonomics	SteadyView™ driver algorithm to reduce eye fatigue
Certifications	CE, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
TAA Compliancy	Optional
Warranty	3 years
EssentialCare Service offering	10 years with LED batch compatible modules

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