

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[®] Gen2, the next generation of Infinipix[®]. 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[®] 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.

Product specifications**TRUEPIX TP1.2-I**

LED tiles	
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 ² (max) 149 W/Tile 195 W/m ² 41 W/Tile (typ)
Heat dissipation	1532 BTU/h/m ² (max) 836 BTU/h/m ² (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	10 years with LED batch compatible modules
EssentialCare Service offering	10 years with LED batch compatible modules

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