

# TruePix TP1.2

1.2 mm pixel pitch, high-res indoor LED display



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

TruePix TP1.2 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.

### Truly seamless outcomes

TruePix sets a new standard for the LED video wall experience based on decades of experience. The solution 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® processing – 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**

LED tiles	
Pixel pitch	1.27
Pixel per module	480x270 (HxV)
Aspect ratio	16:09
LED lifetime	100,000h (video -80% brightness)
Brightness	>800 nit
Peak brightness	1040 nit
Internal processing	23 bit
Color depth	16 bit (281 trillion colors)
Shaders	No
Control	Infinipix® Gen2
Refresh rate	3,840 Hz
3D	3D supported
Frame rate	24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 100 / 119.88 / 120 / 144 Hz
Hor. viewing angle	160° +/-5°
Vert. viewing angle	160° +/-5°
Brightness uniformity	>98%
Dimming	0-100%
Contrast	>9,000:1
Power consumption	718 W/m <sup>2</sup> 150 W/Tile(max) 238 W/m <sup>2</sup> 50 W/Tile (typ)
Heat dissipation	2,447 BTU/h/m <sup>2</sup> (max) 811 BTU/h/m <sup>2</sup> (typ)
Ceiling configurations supported?	Yes
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

<b>Product specifications</b>	<b>TRUEPIX TP1.2</b>
Storage temperature	-20°C to +50
Storage humidity	11 -85%
IP rating	IP30
Redundancy	Power: Optional Standard on REM tiles Data: Inter-tile and signal loop redundancy embedded / N + N redundancy optional
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 tile: 8.3kg/tile (single PSU) / 8.7kg/tile (dual PSU) / 8.2kg/tile (REM PSU) Modular curved tile: 9.1kg/tile (single PSU) 9.5kg/tile (dual PSU) / 9.0kg/tile (REM 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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