

# 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**

| <b>LED tiles</b>                  |   |
|-----------------------------------|---|
| Pixel pitch                       | 1.27  |
| Technology                        | SMD   |
| Pixel per module                  | 480x270 (HxV)   |
| Aspect ratio                      | 16:9  |
| Dimensions                        | (WxHxD) 609.92x343.08x94mm / 24.01"x13.5"x3.70"   |
| Weight                            | Standard / curved tiles:<br>8.3kg/tile (single PSU) / 8.7kg/tile (dual PSU)<br>Modular curved tiles:<br>9.1kg/tile (single PSU) 9.5kg/tile (dual PSU) |
| 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 @60Hz                | 3,840 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%  |
| Power consumption                 | 718 W/m <sup>2</sup> 150 W/Tile(max)<br>235 W/m <sup>2</sup> 49 W/Tile (typ)  |
| Heat dissipation                  | 2,447 BTU/h/m <sup>2</sup> (max)<br>802 BTU/h/m <sup>2</sup> (typ)  |
| Ceiling configurations supported? | Yes   |
| Heat dissipation front/back       | 54%/46%   |
| Operation power voltage           | AC power:<br>100-240V 50/60Hz<br>DC power:<br>Input: 36-55Vdc 16A (max.)<br>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 -80%   |
| Redundancy                        | Power: Optional<br>Standard on REM tiles<br>Data:<br>Standard Inter-tile redundancy<br>Embedded signal loop redundancy<br>Optional N + N redundancy   |
| HDR                               | HLG / HDR10 supported   |
| Concave curvature                 | Up to 5° standard curved tile (7m radius)<br>Up to 5° curved modular tile (3.5m radius)   |
| Convex curvature                  | Up to 3° standard curved tile (12m radius)  |
| Ceiling configurations supported? | Yes   |
| 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 Compliance                    | Optional (item code R9408511-TAA -LD TP1.2 TILE RED PSU (TAA))  |
| Warranty                          | 3 years   |
| EssentialCare Service offering    | 10 years with LED batch compatible modules  |

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