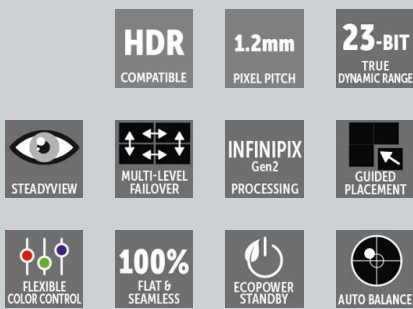


Residential - Bifrost TP1.2-I

1.2 mm Pixel Pitch, High-Resolution DV-LED Display



- **Smart engineering guarantees truly seamless outcomes**
- **High brightness, less energy consumption**
- **Smooth and efficient operations, 24/7**
- **Superb color accuracy and contrast, under all lighting conditions**
- **Reduced ecological footprint**
- **TÜV Eye Comfort certification**

TruePix Bifrost TP-I is Barco's new ultimate high-resolution home theater LED platform. Offering a combination of high resolution and high brightness, TruePix TP-I is ideal for both dedicated theaters with controlled lighting and media rooms that are exposed to higher levels of ambient light.

A TruePix DV-LED wall can be designed in any size or aspect ratio, making it possible to fit the exact requirements of any home install. As an example, choose a 220" 16x9 aspect wall for Native 4K resolution in a media room, or choose a 285" Cinemascope wall with Native 5K resolution in a dedicated residential cinema space.

High brightness, low power consumption

TruePix Bifrost TP-I 1.2 benefits from flip chip technology, making it more robust, energy efficient and further improves the black levels to reach a spectacular contrast. Another benefit is a higher brightness of more than 1800 nit (and in peak brightness over 2300 nit) which further enhances the contrast and detail of the displayed content. Power consumption is a lot lower than conventional solutions, doubling the energy efficiency.

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, along with 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.

Product specifications**RESIDENTIAL - BIFROST TP1.2-I**

| LED tiles | |
|-----------------------------------|---|
| Pixel pitch | 1.27 mm |
| Pixel per module | 480x270 (HxV) |
| Aspect ratio | 16:9 |
| Dimensions | (WxHxD) 609.92x343.08x94mm / 24.01"x13.5"x3.70" |
| 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) |
| 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 | 5,000:1 (at 10 lux) |
| Power consumption | 449 W/m ² (max) 94 W/Tile -Standard mode 710 W/m ² (max) 149 W/Tile -High mode 195 W/m ² 41 W/Tile (typ) |
| Heat dissipation | 1529 BTU/h/m ² (max) -Standard mode 2420 BTU/h/m ² (max) -High mode |
| 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 |
| 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 |
| Warranty | 3 years |
| EssentialCare Service offering | 10 years with LED batch compatible modules |

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