Aurora

What is TruePix
TruePix

With more than 2 decades of expertise on LED technology, Barco is not new to the LED market. But it is the first time we introduce that expertise, knowledge and experience into the Residential market. Barco has redesigned every component creating TruePix, a new direct view LED platform, ensuring an unmatched viewing experience.One of the key components is the new generation of image processing "Infinipix® To be true to our philosophy to make sure we share the movie director's passion and commitment to the 'suspension of disbelief', which is so important in the art of movie-making, we have made sure TruePix supports the most common colour gamuts used in our Market. Our products supports both REC 709 and DCI colour space as well as the latest HDR technologies.Our mission: to envelop film buffs with an exceptional film experience in the comfort of the most modern living spaces. TruePix, Barco's new flagship indoor LED platform, sets a new standard for large video walls. It feels like The Wall disappears and get replaced by an amazing picture. The solution brings content to life as intended and ensures predictable, truly seamless outcomes, by combining smart engineering and Infinipix® Gen2. smooth and efficient operations for an unparalleled experience.

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Product specifications	AURORA
General specifications	
Resolution	3840 x 2160
Pixel pitch	1.5
Pixel per module	384 x 216 (HxV)
Number of tiles	100
Brightness	>600 Nits
Brightness uniformity	>98%
Image processing	23 bit
Color depth	16 bit (281 trillion colors)
Contrast	9,000:1
HDR	HLG / HDR10 supported
Dimming	0-100%
Shaders	No
Refresh rate	3,840 hz
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°
Control	Infinpix® Gen2
Communication	tbc
3D	3D Supported
Dimensions (WxLxH)	609.9 x 343.1 cm (240.1 x 135 inches)
Weight / Tile	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Weight	820 kg (single PSU), 860 kg (dual PSU)
Operating humidity	10% -80%
Operating temperature	-10°C to +40°C / 14°F to 104°F
IP rating	IP30
Power consumption	685 W/m² (max) = total 14.34kW 259 W/m² (typ) = total 5.42kW less than 10 W/m² (standby) = less than 210W total
BTU per hour	2,336 BTU/h/m² (max) 883 BTU/h/m² (typ)
Power requirements	110-130V/200-240V, 50-60 Hz
Installation	Self-leveling with surface tolerance compensation
Serviceability	Full front & full back service
Module replacement	Automated parallel motorized extraction
Module placement	Guided module placement
Ergonomics	SteadyView driver algorithm to reduce eye fatigu
Certifications	E, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
Warranty	3 years, can be extended up to 8 years

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ENABLING BRIGHT OUTCOMES

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