Aurora

TruePix LED Series

Aurora is derived from the name of the Roman goddess of the dawn, who traveled from east to west announcing the coming of the sun on her multi-colored chariot. Aurora is all about the beauty and the magnificent colours. This is where Barco Residential stand out from the other brands and why we compare ourselves with the beauty of the northern lights. Aurora reproduces a revolutionary viewing experience with a highly dynamic, yet very realistic image.

BARCO

RESIDENTIAL

Aurora

Key features

Steadyview™

Steadyview is Barco's own algorithm to avoid the scanline effect that can be perceived as visual flicker in the image. With Barco's new Infinipix® gen2 image processing platform, we have created Steadyview™ to ensure an unmatched viewing experience to avoid any type of flicker.

-Because of Steadyview we can watch these walls for hours, same as the northernlight. These were developed for control rooms where you have to watch the walls for hours without getting eye fatigue.

Risk Free Installation

Barco's revolutionary LED wall mounting structure neutralizes imperfections of the underlying wall surface, making sure you can install your seamless, smooth-looking wall in no time. The camera-guided module placement of TruePix ensures a seamless and dependable installation. To avoid damage during installation, Barco TruePix' guided module insertion ensures a fully contactless and risk-free installation. Moreover, TruePix has motorized module extraction, which allows you to stay in control of the extraction process. Barco TruePix is completely serviceable from the front and the back. Maintenance made easy

Perfect Flatness

TruePix has no alignment issues and no bulging of the PCB's. Why is this important? Because in most rooms where a LED is used you might have ambient light that will reveal the seems of the modules. We get a perfect result without spending hours on tweaking the alignment. This is possible because of Barco's revolutionary automated manufacturing process, where this alignment is automated by Barco developed alignment machine with super tight tolerances.

Smart Calibration

The Processing will automatically apply the correct color gamut and EOTF Curve to make sure the colors are represented correctly. It will do this for SDR and HDR content as TruePix supports a color gamut of DCI/P3

Technical specifications

Resolution	3,840 x 2,160
Pixel Pitch	1.5
Pixel per tile	384 x 216 (HxV)
Number of tiles	100
Brightness	>600 Nits
Internal processing	23 bit
Color depth	16 bit (281 trilion colors)
Contrast	9000:1
Dimming	0 - 100%
Shaders	No
Refresh rate	3,840 Hz
Frame rate support	24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 100 / 119.88 / 120 / 144 Hz
Brightness Uniformity	>98%
Hor. viewing angle	160° +/-5°
Vert. viewing angle	160° +/-5°
Control	Infinpix® Gen2
Control drivers	TBC
3D	3D supported
Dimensions (WxLxH)	609.9 x 343.1 cm (240.1 x 135 inches)
Weight per module	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Total weight	820 kg (single PSU), 860 kg (dual PSU)
Power requirements	110-130V/200-240V, 50-60 Hz
Power consumption	685 W/m^2 (max) = total 14.34kW 259 W/m^2 (typ) = total 5.42kW less than 10 W/m^2 (standby) = less than 210W total
BTU per hour	2,336 BTU/h/m^2 (max) 883 BTU/h/m^2 (typ)
Operating temperature	-10°C to +40°C / 14°F to 104°F
Operating humidity	10% - 80%
IP ratring	IP30
HDR	HLG / HDR10 supported
Installation	Self-leveling with surface tolerance compensation
Serviceability	Full front & full back service
Module replacement	Automated parallel motorized extraction
Module placement	Guided module placement
Seam quality	Guaranteed seamless
Flatness - lay flat quality	Guaranteed flatness
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

BARCO

RESIDENTIAL