Valkyrie

The Vikings believed the Northern Lights in the sky were the reflections of the Valkyries' armor as they led the warriors to Odin. We see our Valkyrie as the solution that will lead customers to Barco, to experience what a great image is.

Aiming for the optimal experience

Valkyrie is Barco Residential's most popular LED solution based on size and viewing distance. You would think 1.2 pixel pitch is big, but LED is about the correct viewing and about how the source is delivered from the content player to the display. Barco is always making sure the image is perfect. We have developed a completely new processor for our Valkyrie display, which reproduces a revolutionary viewing experience with an highly dynamic, yet very realistic image.

Part of the TruePix Northern Lights range

TruePix is Barco's flagship indoor high-resolution LED platform. The 27,5" inch tiles with a 16:9 aspect ratio range from .9mm to 1.5mm pixel pitch. TruePix brings content to life as intended and ensures predictable, truly seamless visualization, based on smart engineering and the company's next-generation Infinipix® gen2 image processing platform. This ensures color accuracy and perfect contrast at any brightness level. The self-regulating wall structure and perfectly aligned LED modules offer a perfectly flat wall and uniform image, with seams less than 0.1 mm, the entire video wall lifetime.

LED for the residential market

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. 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 color gamuts used in our Market. Our products support both REC 709 and DCI color space as well as the latest HDR technologies.

BARCO

Technische Daten	VALKYRIE
Allgemeine technische Daten	
Auflösung	3840 x 2160
Pixelpitch	1.2
Pixel pro Modul	480 x 270 (HxV)
Number of tiles	64
Helligkeit	>600 Nits
Helligkeitsgleichförmigkeit	>98%
Bildverarbeitung	23 bit
Farbtiefe	16 bit (281 trillion colors)
Kontrast	9,000:1
HDR	HLG / HDR10 supported
Dimmen	0-100%
Shader	No
Bildwiederholfrequenz	3,840 hz
Bildrate	24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 100 / 119.88 / 120 / 144 Hz
Hor. Betrachtungswinkel	160° +/-5°
Vert. Betrachtungswinkel	160° +/-5°
Bedienung	Infinpix® Gen2
Kommunikation	tbc
3D	3D Supported
Abmessungen (BxTxH)	487.92 x 274.48 cm (192.08 x 108 inches)
Gewicht/Modul	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Gewicht	524.8 kg (single PSU), 550.4 kg (dual PSU)
Luftfeuchtigkeit bei Betrieb	10% -80%
Betriebstemperatur	-10°C to +40°C / 14°F to 104°F
IP-Klasse	IP30
Stromverbrauch	775 W/m² (max) = total 16,2kW 273 W/m² (typ) = total 5,63kW less than 10 W/m² (standby) = less than 200W total
BTU pro Stunde	2,404 BTU/h/m² (max) 1,026 BTU/h/m² (typ)
Stromversorgungsanforderungen	110-130V/200-240V, 50-60 Hz
Installation	Self-leveling with surface tolerance compensation
Wartungsfreundlichkeit	Full front & full back service
Modulwechsel	Automated parallel motorized extraction
Platzierung der Module	Guided module placement
Ergonomie	SteadyView driver algorithm to reduce eye fatigu
Zertifizierungen	E, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
Gewährleistung	3 years, can be extended up to 8 years

ENABLING BRIGHT OUTCOMES

BARCO