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

Especificações técnicas	VALKYRIE
Especificações gerais	
Resolução	3840 x 2160
Distância entre pontos	1.2
Pixel por módulo	480 x 270 (HxV)
Number of tiles	64
Brilho	>600 Nits
Uniformidade de brilho	>98%
Processamento de imagens	23 bit
Profundidade de cor	16 bit (281 trillion colors)
Contraste	9,000:1
HDR	HLG / HDR10 supported
Escurecimento	0-100%
Alhetas	No
Taxa de atualização	3,840 hz
Taxa de quadro	24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 100 / 119.88 / 120 / 144 Hz
Ângulo de visualização horizontal	160° +/-5°
Ângulo de visualização vertical	160° +/-5°
Controle	Infinpix® Gen2
Comunicação	tbc
3D	3D Supported
Dimensões (LxPxA)	487.92 x 274.48 cm (192.08 x 108 inches)
Peso / Bloco	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Peso	524.8 kg (single PSU), 550.4 kg (dual PSU)
Umidade de operação	10% -80%
Temperatura de operação	-10°C to +40°C / 14°F to 104°F
Classificação de IP	IP30
Consumo de energia	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 por hora	2,404 BTU/h/m² (max) 1,026 BTU/h/m² (typ)
Requisitos de energia	110-130V/200-240V, 50-60 Hz
Instalação	Self-leveling with surface tolerance compensation
Facilidade de manutenção	Full front & full back service
Substituição do módulo	Automated parallel motorized extraction
Posicionamento do módulo	Guided module placement
Ergonomia	SteadyView driver algorithm to reduce eye fatigu
Certificações	E, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
Garantia	3 years, can be extended up to 8 years

ENABLING BRIGHT OUTCOMES

BARCO