

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.

Specifiche tecniche**VALKYRIE**

Specifiche generali	
Risoluzione	3840 x 2160
Passo pixel	1.2
Pixel per modulo	480 x 270 (HxV)
Number of tiles	64
Luminosità	>600 Nits
Uniformità della luminosità	>98%
Elaborazione delle immagini	23 bit
Profondità colore	16 bit (281 trillion colors)
Contrasto	9,000:1
HDR	HLG / HDR10 supported
Variazione della luminosità	0-100%
Shaders	No
Intervallo di aggiornamento	3,840 hz
Velocità fotogrammi	24 / 25 / 29.97 / 30 / 47.95 / 48 / 50 / 59.94 / 60 / 100 / 119.88 / 120 / 144 Hz
Angolo di visuale orizzontale	160° +/-5°
Angolo di visuale verticale	160° +/-5°
Controllo	Infinpix® Gen2
Comunicazione	tbc
3D	3D Supported
Dimensioni (PXLXA)	487.92 x 274.48 cm (192.08 x 108 inches)
Peso per pannello	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Peso	524.8 kg (single PSU), 550.4 kg (dual PSU)
Umidità in funzionamento	10% -80%
Intervallo temperature in funzionamento	-10°C to +40°C / 14°F to 104°F
Grado IP	IP30
Consumo energetico	775 W/m ² (max) = total 16,2kW 273 W/m ² (typ) = total 5,63kW less than 10 W/m ² (standby) = less than 200W total
BTU per ora	2,404 BTU/h/m ² (max) 1,026 BTU/h/m ² (typ)
Requisiti di alimentazione	110-130V/200-240V, 50-60 Hz
Installazione	Self-leveling with surface tolerance compensation
Manutenzione	Full front & full back service
Sostituzione moduli	Automated parallel motorized extraction
Posizionamento dei moduli	Guided module placement
Ergonomia	SteadyView driver algorithm to reduce eye fatigu
Certificazioni	E, UL, FCC class A, RoHS, WEEE, REACH, CCC, RCM
Garanzia	3 years, can be extended up to 8 years

Generato il: 24 May 2024

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