Valkyrie Cinemascope

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 enjoy a viewing experience that, up to now, was simply unavailable outside a private movie theatre.

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 TruePix panels which together with our Valkyrie display reproduces a revolutionary viewing experience with an highly dynamic, yet very realistic image.

What is TruePix
TruePix

Product specifications — VALKYRIE CINEMASCOPE

General specifications

Resolution	5280 x 2160
Pixel pitch	1.2
Pixel per module	480 x 270 (HxV)
Number of tiles	88
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)	670.89 x 274.48 cm (264.11 x 108 inches)
Weight / Tile	8.2kg/tile (single PSU) 8.6 kg/tile (dual PSU)
Weight	721.6kg (single PSU), 756.8 kg (dual PSU)
Operating humidity	10%-80%
Operating temperature	-10°C to +40°C / 14°F to 104°F
IP rating	IP30
Power consumption	704.8 W/m² (max) = total 12.98kW 221,5 W/m² (typ) = total 4.08kW less than 10 W/m² (standby) = less than 180W total
BTU per hour	2,643 BTU/h/m² (max) 1306 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 fatigue
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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