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ZRD-B15A

High brightness Crystal LED video wall modular display cabinet

Overview

Unforgettable images to match the largest creative ambitions

The ZRD-B15A modular display cabinet combines advanced Crystal LED technology with powerful processor "X1™ for Crystal LED" to create bigger, bolder, more attention-grabbing visual experiences.

Offering spectacular brightness, the ZRD-B15A is ideal for presenting high-impact HDR content in sunlit corporate lobbies, virtual sets, and production backdrops. Cutting-edge picture-processing technologies ensure spectacular large-scale images with industry-leading clarity, contrast, and color.

The ZRD-B15A features a resolution of 384 x 216 dots, with a pixel pitch of 1.58 mm.

The borderless design of each energy-efficient Crystal LED panel allows multiple ZRD-B15A cabinets to be tiled seamlessly, creating super-size high resolution displays with virtually any dimensions or aspect ratio – and no bezels or visible gaps. The slim, light Micro LED panels are easy to install and maintain without requiring special skills or complex equipment.

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Features

Unmissable images as big as your imagination
Tile multiple ZRD-B15A modules to create totally seamless extra-large displays - and impress your audience with uniquely rich, immersive images that bring viewers even closer to reality.

Very high brightness with anti-reflection coating
The high-contrast, low-reflection panel offers spectacular brightness: ideal for high-impact presentations in sunlit corporate lobbies, virtual sets, and production backdrops.

Exquisite image clarity, near or far
Reality Creation* upscales lower resolution content to look sharper and more detailed, even when viewed in close-up. The powerful processor "X1 for Crystal LED" optimizes signals and reduces image noise. Ideal for 24p input video, Motionflow* ensures smooth, blur-free images with near-instant response.

*This function cannot be used with multiple display controllers.

Under extraordinary contrast, HDR ready
Each tiny Crystal LED element occupies a small fraction of the black mounting area. The result: an extraordinary contrast ratio of more than 1,000,000:1 that's far greater than conventional LED array systems. 22 bit Super Bit Mapping (SBM) ensures a smoothly graduated tonal range from deep blacks to bright, sparkling highlights - ideal for presenting HDR (High Dynamic Range) content.

Wide viewing angle
The display panel's extra-wide viewing angle allows everyone in the room to enjoy an uncompromised visual experience, wherever they're standing.

Smooth, richly realistic color
The display achieves a wide color gamut and highly realistic tonal reproduction.

Flexible installation to suit any space

The slim, light borderless panels are easy to install without needing special skills or complex equipment. Panels can be wall- or floor-mounted to suit any interior, even in curved spaces. Installation doesn't require access behind the cabinets, freeing up more room space.

Reliable operation; low ownership costs

Energy efficient technology allows a quiet, fanless design with no costly air conditioning needed. Maintenance is simplified with easy front accessibility to reduce ownership costs further.

Specifications

General	
Pixel Pitch	1.58 mm
Surface	Anti-reflection coating
Resolution (W x H)	384 x 216
Brightness (max.)	1,700 cd/m^2
Contrast Ratio (0 lx)	More than 1,000,000:1
Viewing Angle (H/V)	170 ° / 170 °
Color Gamut	Approx. 83 % (BT2020, Δu'v' coverage) Approx. 97 % (DCI-P3, Δu'v' coverage) Approx. 143 % (sRGB, Δu'v' area)

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Bit Depth	22-bit Internal Processing
Frame Rate	Up to 120 frames per second
Signal Interface	1 in 1 out (2 x RJ45)
Operating Temperature / Operating Humidity	32 °F to 104 °F / 20% to 80% (no condensation)
Storage Temperature / Storage Humidity	−4 °F to 140 °F / 20% to 80% (no condensation)
Power Requirements	AC 100–240 V, 50/60 Hz
Power consumption (max.)	150 W (Per-sqm: 721 W)
Power consumption (ave.)	58 W (Per-sqm: 279 W)
Dimensions (W x H x D)	608 x 342 x 76 mm (23.94 x 13.46 x 2.99 in)
Mass	Approx. 9.5 kg (20 lb 15.10 oz) (Per-sqm: Approx. 45.7 kg)
Application	Indoor
Notes	Please refer to the installation manual for installation.

Gallery