

ZRD-C12A

High contrast Crystal LED video
wall modular display cabinet



Overview

Unforgettable images to match the largest creative ambitions

The ZRD-C12A 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 1,000,000:1 contrast and a high brightness of 800 cd/m², the ZRD-C12A is ideal for presenting immersive HDR content in a wide range of environments including corporate lobbies, showrooms, boardrooms, museums, galleries and other public spaces. Cutting-edge picture processing technologies ensure immersive large-scale images with industry leading clarity and colour.

The ZRD-C12A features a resolution of 480 x 270 dots, with a pixel pitch of 1.26 mm.

The borderless design of each energy-efficient Crystal LED panel allows multiple ZRD-C12A 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.

Features

Unmissable images as big as your imagination

Tile multiple ZRD-C12A 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 contrast with deep black coating

Crystal LED C-series displays are designed with contrast in mind. Enjoy deep blacks and rich colours in a range of environments including showrooms, entrances and lobbies.

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" optimises 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.

Extraordinary contrast, HDR ready

Each tiny Micro LED element occupies a small fraction of the mounting area that's black. The result: an extraordinary contrast ratio of more than 1,000,000:1 that's far greater conventional LED array systems. Deep black coating and 22bit Super Bit Mapping 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 colour

The display achieves a remarkably wide colour gamut for rich, 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

Specification	
Pixel Pitch	1.26 mm
Surface	Deep black coating
Resolution (W x H)	480 x 270
Brightness (Max.)	800 cd/m ²
Contrast Ratio (0 lx)	More than 1,000,000:1
Viewing Angle (H/V)	160° / 160°
Color Gamut	Approx. 83 % (BT2020, Δu’v’ coverage)
	Approx. 97 % (DCI-P3, Δu’v’ coverage) (DCI acceptable)
	Approx. 143 % (sRGB, Δu’v’ area)

Bit Depth	22 bit Internal Processing
Frame Rate	Up to 120 fps
Signal Interface	1 in 1 out (2 x RJ45)
Operating Temperature / Operating Humidity	0 °C to 40 °C / 20% to 80% (no condensation)
Storage Temperature / Storage Humidity	-20 °C to 60 °C / 20% to 80% (no condensation)
Power Requirements	AC 100 - 240 V, 50 / 60 Hz
Power Consumption (Max.)	157 W (Per-sqm: 755 W)
Power Consumption (Ave.)	64 W (Per-sqm: 308 W)
Dimensions (W x H x D)	608 x 342 x 76 mm (23 15 16 x 13 15 32 x 2 6364 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

