

ZRD-VS25FM

Crystal LED video wall modular display cabinet, compatible with Megapixel HELIOS processor



Overview

High quality virtual production made even more accessible

Demand for virtual production is growing, driving the need for accessible LED video wall solutions, the ZRD-VS25FM Crystal LED modular display cabinet makes virtual production even more accessible to demanding content creators. Exceptional picture quality with high refresh rate and high brightness, wide colour gamut and ensures faithful reproduction of virtual sets.

Quick, flexible installation is complemented by easy maintenance for minimized on-set downtime. Compatibility with the industry-standard Megapixel HELIOS LED wall processor simplifies integration into a wide range of virtual production environments while reducing crew training requirements. The ZRD-VS25FM forms part of a total virtual production ecosystem by Sony, including Cinema Line cameras, LED video walls and Sony's Virtual Production Tool Set that addresses common VP issues and streamlines workflows on set and in post.

Features

Industry-leading visual performance in Virtual Production

Insufficient display refresh rates can cause flickering and distracting scanline artifacts that are particularly noticeable with today's high frame rate cameras used for virtual production. The ZRD-VS25FM uses high performance LED driver ICs that enable extremely high refresh rates up to 7,680Hz to suppress unwanted display artifacts, significantly greater than other LED video wall solutions. Moreover, very high brightness (1,500 cd/m²), a wide color gamut and Anti-reflection from lighting enable faithful reproduction of extremely lifelike virtual sets, accurately recreating the immersive detail and atmosphere of real-world shooting locations.

Installation flexibility for production crews and rental specialists

The modular LED panels can be rapidly installed by production teams and equipment rental specialists without needing special skills or costly jigs and other complex equipment. Wall assembly is simplified by the self-stacking cabinet's square 1:1 proportions, enabling rapid construction of LED walls of virtually any scale including very large stacks and curved surfaces. Protection measures minimize the risks of accidental damage when cabinets are joined during wall construction, with protection on each module surface safeguarding LEDs during video wall installation and use.

Compatibility with Megapixel HELIOS processor

Compatibility with the Megapixel HELIOS LED wall processor ensures smooth, seamless integration into today's virtual production workflows while also reducing training needs for crews.

Quick and easy maintenance for minimized downtime

Production downtime is minimised with the ability for individual modular cabinets to be exchanged quickly and easily as required, driving down maintenance and lifetime ownership costs.

Simplified workflows with Sony Virtual Production Tool Set

The ZRD-VS25FM is a natural complement for Sony's Virtual Production Tool Set that streamlines pre-production visualisation and on-set workflows. Helping solve common virtual production challenges such as colour matching, moiré and off-axis colour shift on LED, Virtual Production Tool Set streamlines the realisation of in-camera visual effects and improves the overall quality and creativity of virtual production.

Specifications

General Features	
Pixel Pitch	2.50 mm
Supported Display Controller	Megapixel HELIOS
LED Type	SMD
Resolution (W x H)	200 x 200
Brightness (Max.)	1,500 cd/m ²
Contrast Ratio (0 lx)	More than 1,000,000:1
Viewing Angle (H/V)	160°/160°
Color Gamut	Approx. 82% (BT2020, Δu'v' coverage) Approx. 98% (DCI-P3, Δu'v' coverage) Approx. 151% (sRGB, Δu'v' area)
Refresh Rate	7,680Hz
Signal Interface	1 in 1 out (2 x RJ45)
Operation Temperature / Operation Humidity	0°C—40°C(32°F~110°F)/20-80%(No condensation)
Storage Temperature / Storage Humidity	-20°C — 60°C / 20 — 80% (No condensation)
Power Requirements	AC100-240V, 50/60Hz
Power Consumption (Max.) Calibration mode: Off	164W (Per-sqm:656W)
Power Consumption (Calibrated 100% brightness) Calibration Mode: On	137W (Per-sqm: 548W)
Power Consumption (Average 30% brightness) Calibration Mode: On	64W (Per-sqm: 256W)
Dimensions (W x H x D)	500 x 500 x 93 mm (19 11/16 × 19 11/16 × 3 21/32 in)
Mass / Weight	Approx. 10kg (22lb 4.27oz) (Per-sqm: Approx.40kg)
Max. Self-Stacking / Self- Hanging	Max. 14 cabinets (7 m) / Max. 14 cabinets (7 m)

General Features

Application

Indoor

Notes

*1

Please refer to the installation manual for installation.

*2

Features and specifications are subject to change without notice.



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