QUANTUM
MEDIA SYSTEMS

CINEMATIC XDR LED VIDEO WALL

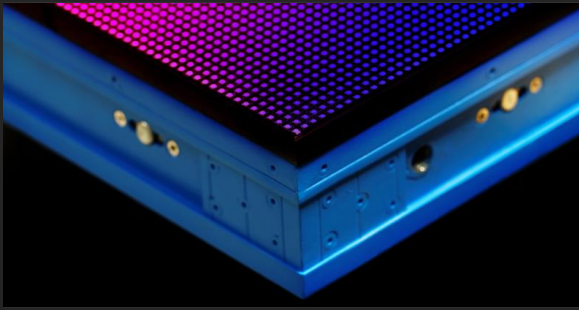## LUXURY | PERFORMANCE | EXPERIENCE

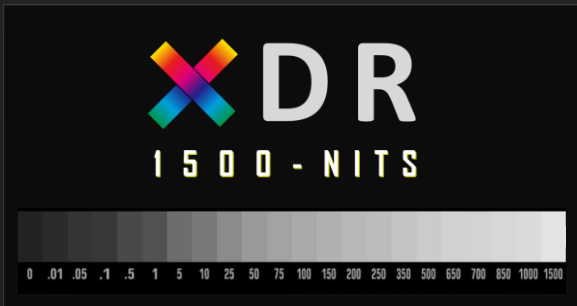**DCI P3**
COLOR SPACE

0.9 MM LED
DIGITAL CINEMA

1.2 MM LED
DIGITAL CINEMA

XDR
1500-NITS

HIGH PERFORMANCE TECHNOLOGY

Quantum Media Systems offers State-Of-The-Art Technology Equipment to provide High-Quality Imagery and Military Grade Construction for Robust and Easy-To-Use Operation. All systems are Custom Engineered for the Entertainment Space & Digital Cinema Application including On-Site Custom Installation, Certified Image Calibration, System Integration and Commissioning.

XTREME DYNAMIC RANGE

The Cinematic XDR LED Video Wall can produce up to 1500 nits of brightness providing the most flexibility on the market to support various formats. The current DCI Standards are SDR 48-nits, EDR 108-nits and HDR 300-nits. There are current developments for producing higher rates of 500-nits, 1000-nits and beyond which only this display can achieve. Consumer content using HDR10 Technology can produce up to 2000-nits.

DIGITAL CINEMA P3 COLOR SPACE

The Cinematic XDR LED Video Wall can produce 100% Digital Cinema P3 Color Space compared to most other LED walls can only achieve 95%. The display can also achieve 100% REC709 for consumer Standard Dynamic Range and 95% REC2020 for consumer High Dynamic Range providing a full flexibility of media content playback.

FINE PITCH LED TECHNOLOGY

The Cinematic XDR LED Video Wall is the first 0.9mm Digital Cinema approved display technology. This fine pitch technology allows for smaller displays while still producing the 4K resolution standards and provides higher resolutions beyond 4K with larger displays. Also available is 1.2mm fine pitch LED providing size and resolution flexibility for a variety of cinema applications.

CONSUMER HDR10+ SUPPORT

The Cinematic XDR LED Video Wall can support HDR10+ for HDMI consumer content providing up to 4000-nits peak brightness, 12-bit color depth and REC2020 color space. The display can also support standard HDR10 that provides up to 2000-nits peak brightness, 10-bit color depth and REC2020 color space.
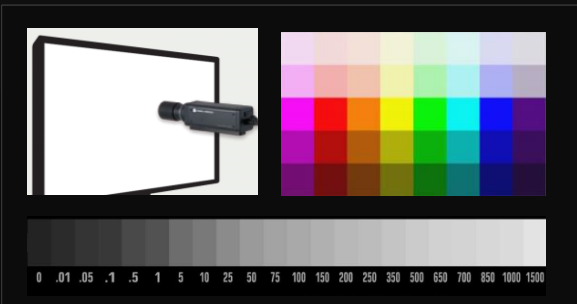

HDMI2.1 4K120HZ 8K60HZ

The Cinematic XDR LED Video Wall can support HDMI-2.1 for newly developed content in 4K at 120Hz high frame rate for smooth adaptive motion and 8K at 60Hz for super fine detailed resolution. Another advantage of HDMI-2.1 is the support for VRR Variable Refresh Rate used in gaming providing different frame-rates to switch between standard and fast action scenes for better movement control.

MULTI-IMAGE PROCESSING

The Cinematic XDR LED Video Wall provides Multi-Image Window Processing with Custom Configurations based on the viewing applications. Image Windows can be sized and positioned on any portion of the LED Wall Screen. All saved preset configurations can easily be selected via the customized automation control system including the audio selection of source.

INSTALLATION & CALIBRATION

Quantum Media Systems provides a Turn-Key Solution including System Design, Consultation, Documentation, Automation Integration Support and Complete On-Site Installation, Chroma Alignment Calibration, Color & Grayscale Calibration, Optimize Each AV Source and System Commissioning to ensure the optimal performance and user friendly experience.

0.9 MM LED
DIGITAL CINEMA

4480 PIXELS

2.025 METERS | 6.6 FEET

2160 PIXELS

4.2 METERS | 13.7 FEET

CINEMASCOPE 2.39
4096 x 1716

CINEMAFLAT 1.85
3996 x 2160

UNIVISIUM 2.00
4096 x 2048

PERFORMANCE SPECIFICATIONS

LED PITCH	0.95MM		BIT RATE	12 BIT
REC709	100%		WHITE	D63 / D65
DCI P3	100%		SDR	48 NITS
REC2020	90%		EDR	108 NITS
CONTRAST	>300,000:1		HDR	300 NITS
FRAME RATE	24–120 FPS		XDR	500–1500 NITS

1.2 LED MM
DIGITAL CINEMA

4320 PIXELS

2.7 METERS | 8.8 FEET

2160 PIXELS

5.4 METERS | 17.7 FEET

CINEMASCOPE 2.39
4096 x 1716

CINEMAFLAT 1.85
3996 x 2160

UNIVISIUM 2.00
4096 x 2048

PERFORMANCE SPECIFICATIONS

LED PITCH	1.25MM	BIT RATE	12 BIT
REC709	100%	WHITE	D63 / D65
DCI P3	100%	SDR	48 NITS
REC2020	90%	EDR	108 NITS
CONTRAST	>300,000:1	HDR	300 NITS
FRAME RATE	24–120 FPS	XDR	500–1500 NITS