expromo CINEMA

expromo **CINEMA**

EXPERIENCE THE **FUTURE** OF CINEMA

About Expromo Cinema

We believe that Expromo Cinema products are redefining the future of cinema. Our products deliver an unparalleled viewing experience and offer cinema owners reduced maintenance, increased seating capacity, and cost efficiency.

Experience the incredible image quality that sets new industry standards. In partnership with our LED screen manufacturer, we bring you extraordinary specifications and breathtaking technology.

Our screens not only meet but exceed DCI certification requirements, ensuring superior performance.

Among millions of pixels - we deliver wonderful installations that lasts and has an attractive total cost of ownership. At Expromo Cinema, we are on a mission to surpass expectations and transform the cinematic experience.

Product Features
Experience Clarity Like Never Before

Ultra Wide Brightness Range
Excellent linearity across the entire brightness range and a brightness range that extends to the maximum possible.

Ultra High Contrast Ratio
LED screen technology exhibits none of the murky dark gray artifacts that are inherently present in projectors. When it comes to displaying black, LED screen technology delivers true black.

75% Pixel Fill Factor
With a pixel fill factor of over 75%, our screens optimize image clarity and reduce visible pixel structure, contributing to a more cohesive viewing experience.

16-bit Precision Gray-Scale
Our screens use a 16-bit precision grayscale, delivering subtle and realistic color shading, making even the smallest details lifelike.

HDR (High Dynamic Range)
HDR increases the performance and image quality significant. Instead of normal SDR with 256 levels of each color — you can achieve up to 1,024 levels of each color.

Accurate DCI-P3 Color Gamut
Accurate DCI-P3 Color Gamut gives you a full 100% compliance.
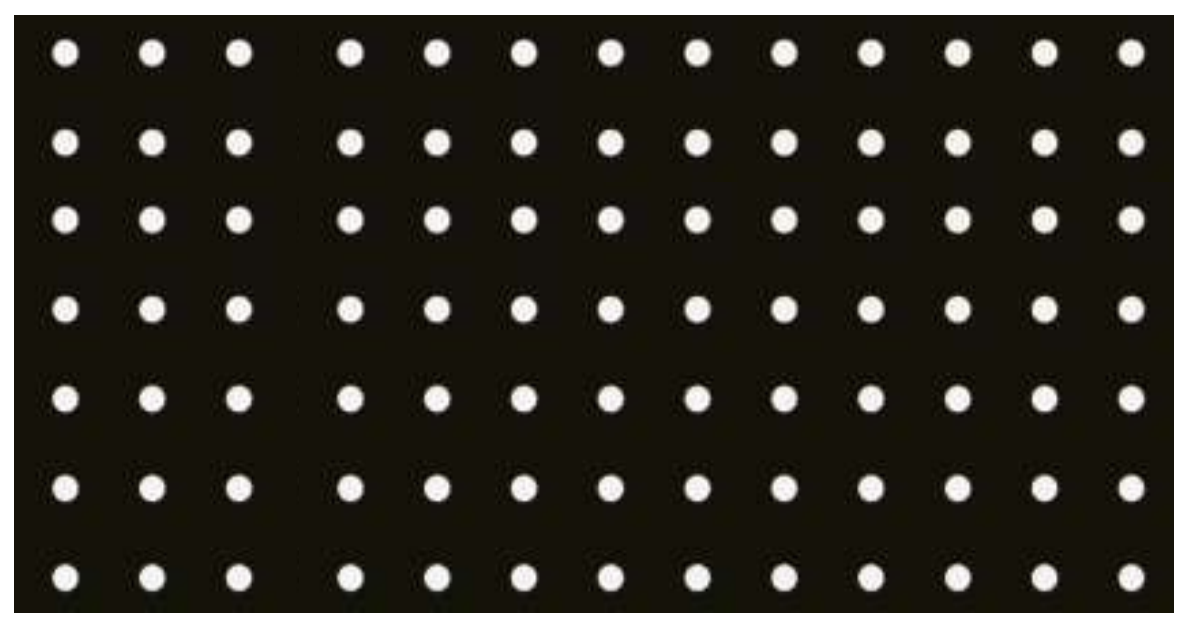
True Colors and Pure Black
Experience deep, definitive black shades and an accurate color spectrum, creating an uninterrupted, cohesive image quality with true-to-life colors. Banding effects and lack of intensity resolution as seen on LCD displays and projectors are gone.
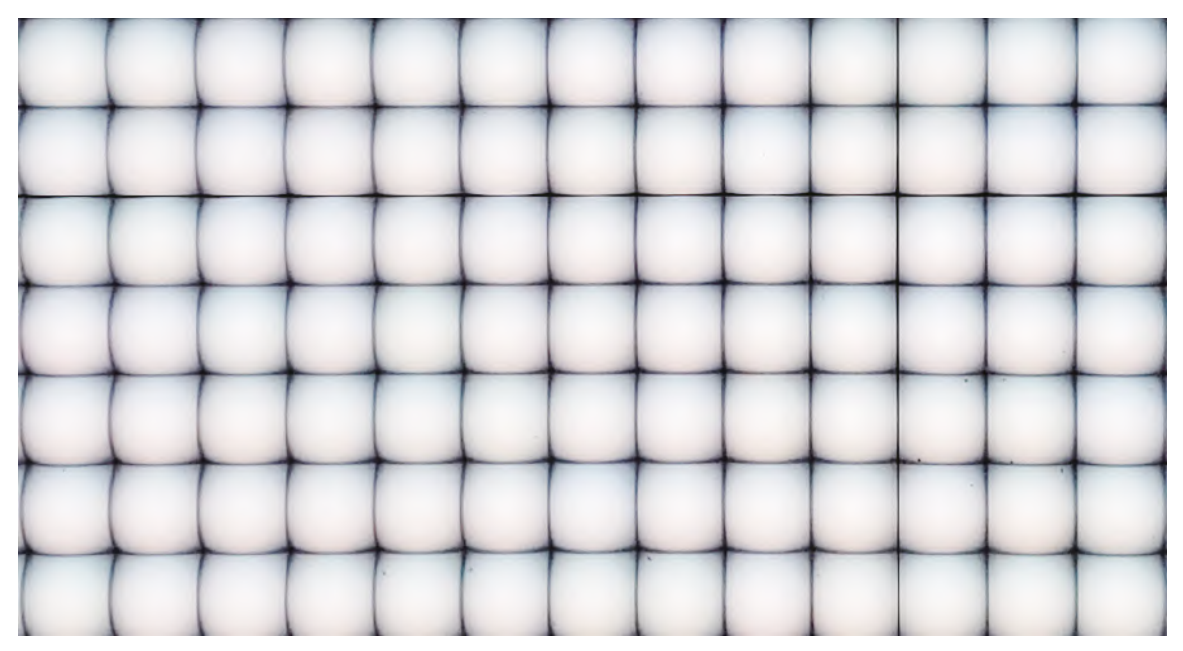
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High Pixel fill

With a pixel fill factor of over 75%, our screens optimize image clarity and reduce visible pixel structure, contributing to a more cohesive viewing experience.

By enhancing the uniformity and brilliance of each image, we ensure that every scene is rendered with stunning detail and vibrant colors. Moreover, our innovative LED caps, which are instrumental in achieving this superior visual quality, are patented technology exclusive to our brand.

These advanced caps not only elevate performance but also set our displays apart in the market for their unmatched image precision and consistency.

Other LED fill factor > 15%

Our LED fill factor > 75%

Patents and Certificates

Expromo Cinema's digital LED cinema screen systems are patented and adhere to strict quality standards. A significant milestone is our DCI (Digital Cinema Initiatives) certification, which attests to our screens' capability to meet the high demands of modern cinemas. The DCI certification guarantees the highest standards in visual quality, security, and compatibility.

ÆGISOLVE

CYBER SECURITY LABORATORIE

AEGISOLVE, INC.
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Knoxville, Tennessee 37932 USA
Tel: 650.386.1436   Fax: 650.386.1495

Notice pursuant to Section 2.3.2 of the RESTATED AND AMENDED TESTING AUTHORIZATION AND TEST SUITE LICENSING AGREEMENT made as of January 1, 2017 b and between Digital Cinema Initiatives, LLC (DCI) and AEGISOLVE, INC.

To:
Chairman, DCI Member Representatives Committee
Chairman, DCI Technical Committee

	March 15th, 2024
Reporting date	AEGISOLVE, INC.
Name of Testing Organization	10133 Sherrill Blvd. Suite 110
Address of Testing Organization	Knoxville, Tennessee 37932 USA
	Travis Spann
Name of Test Operator	SHENZHEN TIMEWAYING TECHNOLOGY C
Name of Test Subject Representative	LTD.
	22/F Block C2, Nanshan Zhiyuan, 1001 Xue
Address of Test Subject Representative	Road, Nanshan District, Shenzhen, China.
Make and model of Test Subject **Manufacturer**	SHENZHEN TIMEWAYING TECHNOLOGY LTD.
Make	Digital Cinema Direct View Display with Block
Model	LA2K-08 with IMS3000 (CID1002)
Version	*(detailed version information below)*

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Projector vs. LED Screen

Traditional cinema projectors have long been the standard, but with technological advancements, LED screens have now become the preferred choice for high-end cinema experiences.

Image Quality
The higher brightness and contrast of LED screens result in more dynamic and realistic image quality. HDR technology and a wider color spectrum ensure an enhanced visual experience.

Maintenance
LED screens generally require less maintenance compared to traditional projector-based systems. Projectors have a limited lamp life and may need frequent replacements and adjustments. In contrast, LED screens are designed for longer life and stable performance.

Space Utilization
LED screens allow for more flexible and space-efficient installations, which can increase the number of seats in a cinema as they do not require a dedicated projection room.

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Sound

A complete cinema experience consists not only of visual quality but also of sound quality. At Expromo Cinema, we offer integrated sound solutions that match the high standards of our LED screens.

Dolby Atmos

Dolby has consistently been regarded as the de facto standard, and our sound systems are designed to comply with its requirements.

DTS:X

A competitor to Dolby is DTS. We fully support both, giving you the flexibility to choose the system that best suits your needs.

7.1 Surround Sound

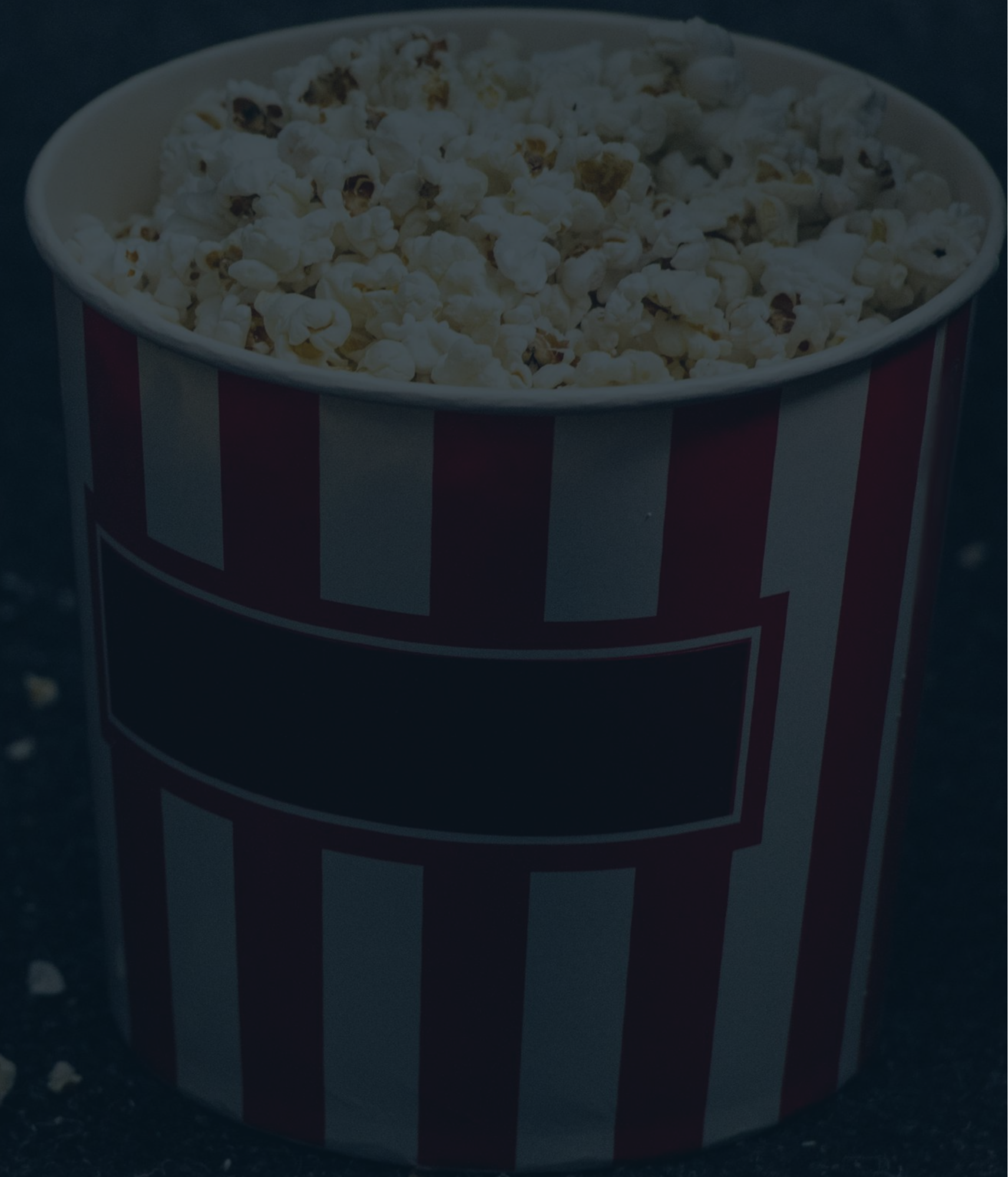Backward compatibility is integrated.

Customized Solutions

We provide tailored installations that adapt to specific audio systems in your cinema, working closely with sound providers to ensure the best possible sound quality. This means that regardless of the sound system you already have installed, we can seamlessly integrate our solution.

Concluding Remarks

Expromo Cinema offers an unmatched cinema experience with our advanced LED screens and high-quality sound systems. Our products are designed to give movie lovers a deeper and more immersive experience, true to the filmmaker's original vision. With our DCI-certified technology and collaboration with leading sound providers, we are the ideal choice for any high-end cinema wanting to stand out.

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		8m	10m	16m	20m
Pixel & Module	**Pixel pitch (mm)**	3.91	4.81	3.91	4.81
Physical	**Display size (W x H)**	8 x 4.5m	10 x 5.5m	16 x 8.5m	20 x 10.5m
	Weight (kg)	1,080kg	1,700kg	4,080kg	6,510kg
	Cabinet size (W x H)	1 x 0.5m			
	Contrast Ratio	30000 : 1			
	Maintenance	Rear Maintenance			
Electrical	**Input voltage (nominal) [VAC]**	100 ~ 240 VAC 50/60Hz			
	Max Consumption	3,360W	5,060W	12,700W	19,320W
	Average Consumption 48nits	1,230W	1,320W	4,650W	5,040W
	Certification	DCI, CCC, CE/ UL, EMC Class A, Safety 60950 - 1			
	LED Life time (hrs)	100,000 (half brightness)			
	External Part	HDMI 2.0, 2D			
Approvals & Environmental	**Protection level [IP]**	31			
	Operating temperature / Humidity	0°C ~ 40°C / 10 ~ 80% RH			
	Storage temperature / Humidity	- 20° ~ 45° / 5 ~ 95% RH			
Video	**Resolution (W x H)**	2,048 x 1,080	2,048 x 1,080	4,096 x 2,160	4,096 x 2,160
	Viewing angle	160°H / 160°V			
	Brightness (Adjustable)	48nits / 150nits / 300nits			
	Refresh Rate	1500 to 9300Hz			
	Grayscale	R,G,B 16Bit			
	Color Gamut	100% DCI-P3			
	2D Frame Rate	24, 25, 30, 48, 60, 120 fps			
	3D Frame Rate	24, 30, 48, 60 fps	24, 48, 60 fps	24, 28, 60 fps	24, 28, 68 fps
	Video Format Grayscale	DCP (12bit XYZ), Digital Coding JPEG2000			