

APPOTRONICS ALPD®


Professional Projector Product Lineup 2026

Appotronics Corporation Ltd.

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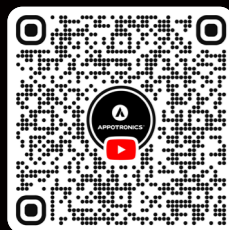
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 400 101 9930

Disclaimer:

1. All brightness/contrast values listed are based on ISO2118 standard and are the average value of all shipped products.
2. Time of lifespan listed shall not be used for warranty purposes. Actual replacement time may vary according to the operating modes, environment and other user behaviors.
3. All data listed are based on lab test values. Actual value may differ due to external environments.
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New light , New life®

► About Appotronics

COMPANY PROFILE

Appotronics Corporation Ltd.

Appotronics Corporation Limited (Stock Code: 688007.SH), founded in 2006, is a world-leading supplier of laser core components with original technologies and core patents. It is among the first batch of listed companies on the Science and Technology Innovation Board (STAR Market), and also the first STAR Market-listed company in Guangdong Province as well as the world's first listed company in the laser display sector.

In 2007, Appotronics originally invented the ALPD® semiconductor laser light source technology. This technology has created an entirely new type of semiconductor laser

light source, breaking through the application bottlenecks of core laser display components and imaging solutions in the display field. It has since become the mainstream technology in the laser display industry and been widely applied in areas such as automotive, cinema, home use, engineering, and commercial education. Particularly in the automotive optics field, the company has achieved rapid breakthroughs and secured cooperation with a number of internationally renowned automobile manufacturers.


Meanwhile, as laser core technologies continue to integrate with the latest technologies like human-computer interaction, intelligent recognition, the Internet of Things (IoT), cloud

platforms, and big data, Appotronics has proactively completed forward-looking layouts in emerging application fields such as artificial intelligence (AI), augmented reality (AR), and intelligent robots. It has also carried out in-depth cooperation with many well-known global brands and institutions.

Up to now, Appotronics has been recognized as a National High-Tech Enterprise and a National Intellectual Property Demonstration Enterprise. It has also been included in the STAR 100 Index and won numerous honors such as the China Patent Excellence Award, Golden Bull Technology Innovation Award, and many other honors.


What is ALPD®?

Advanced Laser Phosphor Display technology, is used for image display based on laser-excited phosphor materials and multi-color lasers.




Over 2900 Patents Awarded Worldwide

Covering USA, Japan, Korea, China and other countries.



Appotronics Invented ALPD® Laser Display Technology



Cited Over 650 Times

The essential underlying technology patents of Appotronics have been frequently cited throughout the industry

The Evolution of ALPD® Laser Display Technology

From ALPD 1.0 to ALPD®5.0, Appotronics continues to innovate and upgrade, bringing not only the advantages of high brightness, good color and no scattering, but also the level of technology and industry.



Wider Spectrum
(ALPD® 5.0 covers 120% of Rec. 2020)

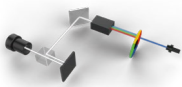

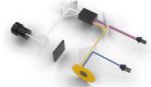




Higher Contrast
(Beyond cinema standard)



Higher Light Efficiency
(30% increase in efficiency then ALPD® 3.0)

* Based on data from the National Institute of Film Technology Quality Inspections and Appotronics Lab.

ALPD® 1.0	ALPD® 2.0	ALPD® 3.0	ALPD® 4.0	ALPD® 5.0
				
				Blue + Red + Green
Appotronics introduced its revolutionary ALPD® technology in 2007, awarded fundamental patent in the US and China.		Launched in 2010 for laser TV products.		Launched in 2015 based on Duo Laser + Phosphor solution.
Launched in 2018 to address advanced requirements of cinema customers. Phosphor + RGB Laser solution to uplift the light efficiency for 30%.		Launched in 2022: Wider color gamut, higher luminous efficiency, and more compact size.		

Appotronics is a leading member of LIPA

Joined the International Laser Projection Association (LIPA) as a leading member. Participated in leading the development of international standards for laser displays.

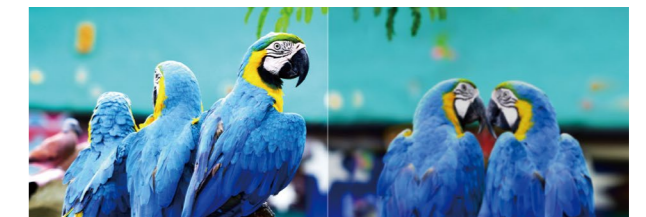


Advantages of ALPD®



High Efficiency • Eco Friendly

ALPD® laser light source has been used for 316 million hours in cinemas throughout China over the past six years, saving 568 million kWh of electricity, equivalent to reduction of approximately 0.49 million cubic meters of CO2 emissions.



High Contrast

High light output beyond that of theater quality.



High Brightness

The ALPD® system has achieved world-leading brightness, producing 34,000 lumens. High efficiency yields high brightness.



High Reliability

All systems proven in mission-critical cinema environments.



Wide Spectrum

DCI Cinema-level color performance ALPD® Covers 120% of Rec.2020



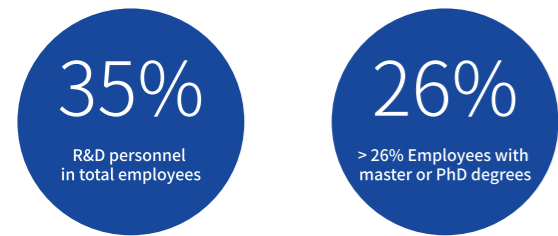
Longer Life Span

With the high efficiency of phosphor, ALPD® has solved the life span and cost challenges associated with green lasers.

▶ Product Features

Bringing Together Global Top Talents

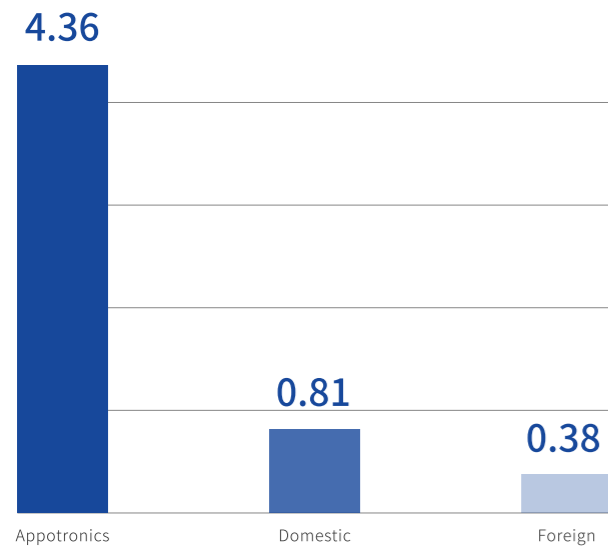
Our core R&D team spearheaded by international leaders in laser display and automotive optics has attracted R&D workers from well-known domestic and foreign universities, covering disciplines such as optics, electronics, materials, physics, mechanical design and precision manufacturing.



Strengthen Patent Protection and Be a Founder of Industry Standards

Appotronics, as the inventor of the laser phosphor technology, owns over 2900 patents worldwide. It is well ahead of the industry giants when it comes to patent layout. Among the first 25 companies listed on the SSE STAR Market, Appotronics ranks 1st in both innovation and patent restraint.

Average citations for invention patents



Source: Development Planning Division of China National Intellectual Property Administration

Pioneer New Application Scenarios

Over 31,000 cinemas worldwide have chosen Appotronics' ALPD® laser light source solutions;

Provide services for projects and clients such as international events, urban light shows, large-scale exhibitions, vocational education and enterprises.

Pioneer new application scenarios such as AR, intelligent robot and aviation display, and gain a foothold in these sectors in advance.

Established cooperation with OEMs, direct suppliers, aviation giants and IoT giants.

Data Resource: AVC Revo

No.1 in the industry of cinema laser service



No.1 in the industry of installation laser projection



No.1 in the industry of education laser projection

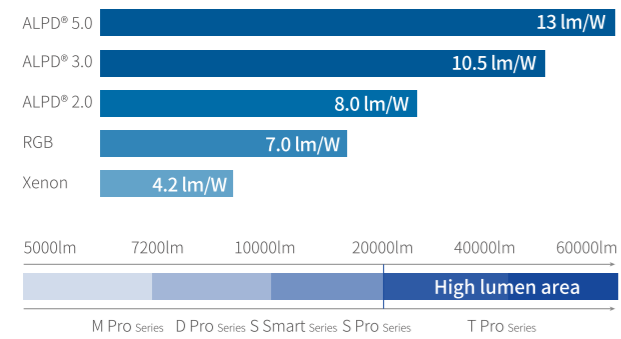


Appotronics Professional Projectors

M Pro Series	D Pro Series	S Smart Series	S Pro Series	T Pro Series
				AL-TU34KA
			AL-SK25KAP AL-SK20KAP AL-SU25KAP AL-SU20KAP	
		NEW AL-SK15KAS AL-SK13KAS AL-SK10KAS AL-SU15KAS AL-SU13KAS AL-SU10KAS		
NEW AL-MK750A AL-MK650A AL-MH750A AL-MH650A	AL-DU935A AL-DU835A AL-DU735A			

High Brightness

Appotronics DLP® installation machines are equipped with the latest ALPD® laser display technology. Brightness ranging from 5,000 to 34,000 lumens. ALPD® has much higher efficiency than other light sources and higher efficiency yields high brightness.



Compact and Light Weight

Appotronics projectors are built tough, small form factor and weighs, for easy shipping, lifting and installation.



Go beyond HD Image Quality

Appotronics comprehensive laser projectors lineup includes 1080P, WUXGA and 4K resolutions, so you can experience the most intricate details.



Intelligent APOS and APCS

APOS (Appotronics On-screen Display)

Appotronics' upgraded on-screen display system offers comprehensive functions, unified operation and easy adjustment.

Thanks to this user-friendly menu, installation and adjustment will be more visual, quick and convenient.



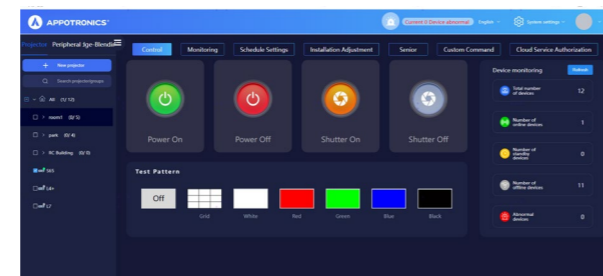
APCS (Appotronics Projectors Control System)

APCS is a platform for projector operation and maintenance, monitoring management and interconnection management that provides users with a wide range of application scenarios.

Professional APCS platform has free app for apple, android and harmony, as well as Appotronics Projector Web UI.

Professional APCS platform offers daily management, control, adjustment, monitoring and diagnosis of multiple projectors.

Professional APCS platform gives you unprecedented connectivity options that make it easier and faster to maintain equipment and resolve projector issues over a network.



Red Ratio >22%

The red ratio of most DLP® laser projectors stays poorly at around 7%, resulted in gloomy red color reproduction.

Appotronics S Pro Series installation projectors have over 22% red ratio.

Appotronics G & T Pro series have over 22% red ratio and are capable of producing richer colors, more saturated and true-to-life pictures.

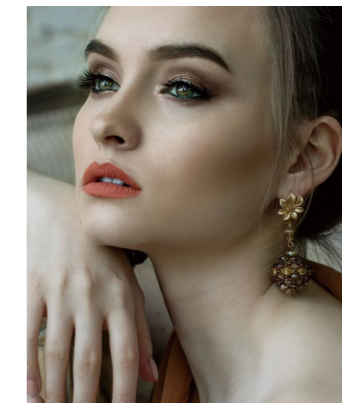
TI Color Ratios Recommendation

Color Ratios	Good	>10%	>40%	>3%	>43%	>13%	>80%
	Medium	10%-6%	40%-30%	3%-1%	43%-31%	13%-7%	80%-36%
	Fail	<6%	<30%	<1%	<31%	<7%	<36%

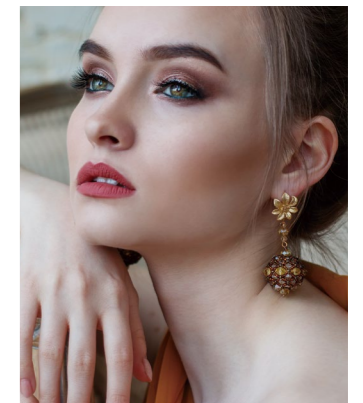


Red Color Ratios=6~7%

Red Color Ratios>20%



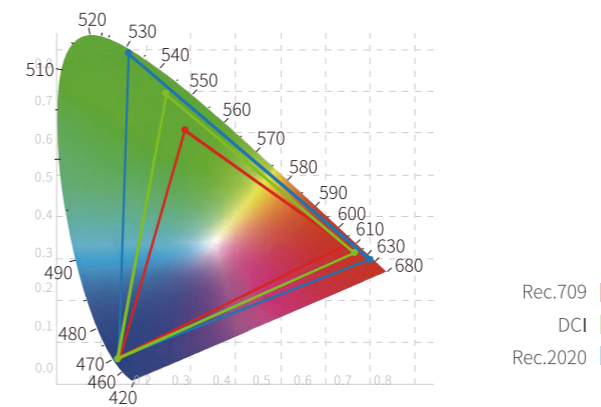
Color Cast



Natural Skin Tone Colors

Wider Color Space

Appotronics projectors covering 120% Rec.709, 95% DCI-P3 colour gamut, exceeds cinema color space standards, provides extraordinary picture quality.



Others (Deviated from Rec.709) "Orange red"



Appotronics (100% coverage of Rec.709) Perfect color reproduction



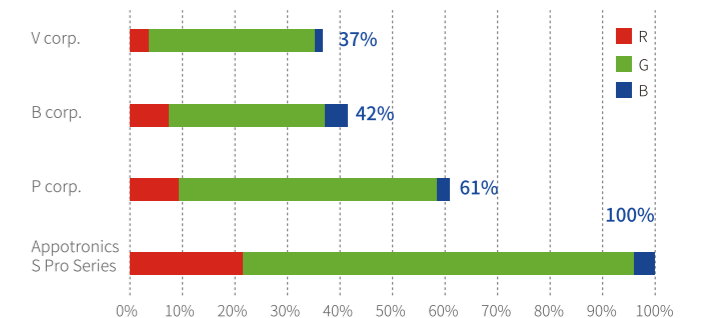
100% Color Brightness

Color brightness is a key indicator to determine the performance of displays. Lower the color brightness, lower color reproducing capability a projector will have under the same brightness. It provides an important standard for consumers to evaluate the color performance of their projectors. 100% Colour Brightness results incredible brightness, color accuracy and detail.

Appotronics innovatively applied RGB Primary Colors on 1DLP® systems to achieve 100% Color Brightness (S Pro series).

Appotronics' G & T Pro series 3DLP projectors which have 100% color brightness, can accurately reproduce the true colors of the input signals, and projects a clearer, more vivid picture, which is able to bring users a more exciting visual experience.

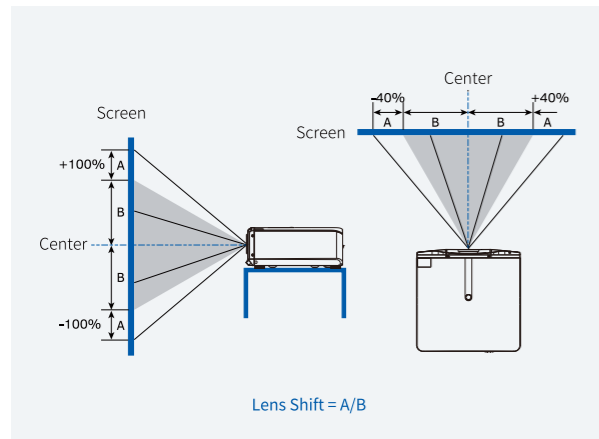
Color Brightness Observation of Laser Installation Projectors



► Easy to Install

Wide-range Powered Lens Shift

Wide range of powered lens shift (Vertical ±100%, Horizontal ±40%). Powered lens shift/zoom/focus.



Optional Lens

Full range optional lens from short-throw to telephoto lens, with wide range powered lens shift, are provided to handle all different kinds of installation environments.



► Cinema Level Reliability

ALPD® is a proven technology in mission-critical situations, including digital cinemas and command centers.



More than 31000 cinemas choose ALPD® laser cinema solutions.



The 1st 20000lm DCI ALPD® cinema projector was put in service July 10th, 2014 and has amassed more than 10 years of use since.

360° Installation

Projector can be oriented in any position, 360° in both horizontal and vertical axes.

Diagram showing 360° vertical and horizontal rotation of the projector.

All Products Support 3D-sync

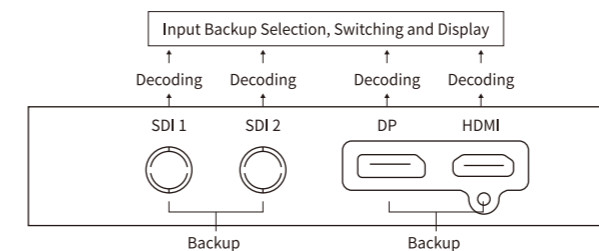
3D-sync to support infrared 3D and DLP-Link 3D.

Image showing a person riding a horse, representing 3D-sync technology.

Light Source Backup & Input Signal Backup

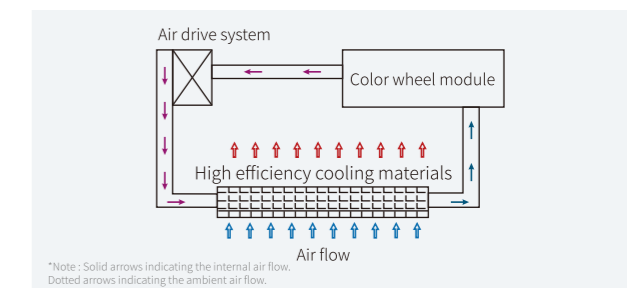
Multiple light source backup — Multiple laser module backup design, a single laser module stop working, the whole machine brightness attenuation is controlled within 4%.

Dual-channel Input Signal Backup — The main channel will seamlessly switch to the backup channel after signal abnormality to ensure high reliability of the system.



Patented Inner Loop Color Wheel Cooling System

Efficient control over the working temperature of the color wheel and motors provides higher stability and longer life span.



Built-in Geometric Correction and Edgeblending

Advanced geometric correction enables projection onto spherical, cylindrical and other non-flat surfaces.

Image showing four examples of projection on irregular screens (concave and convex).

Irregular Screen (Concave, Convex)

All-sealed Light Engine

IP5X complete dust-free, filter-free structure.

Protection Against Objects >2.5mm	Protection Against Objects >1.0mm	Protection Against
IP3X	IP4X	IP5X



20,000h Proven Lifespan

20,000 hours lifespan proven in mission-critical situations, including digital cinemas and command centers.

Icons for Durability (24h) and Reliability (shield).

Product Lineup 2026

5000-34000lm



M Pro Series



D Pro Series



S Smart Series



S Pro Series



T Pro Series

M Pro Series










Model	AL-MK650A	AL-MK750A	AL-MH650A	AL-MH750A	
Display Technology	DLP™ chip x 1, DLP™ projection system				
Panel Size	0.47" DMD				
Resolution	3,840 × 2,160		1,920 × 1,080		
Brightness ^①	6,500lm	7,500lm	6,500lm	7,500lm	
Light Source	ALPD® Laser Phosphor				
Light Source Lifetime ^②	20,000h				
Contrast	Native Contrast: ≥1300:1 Full On/full Off: ≥100,000:1				
Uniformity	≥95%				
Color Gamut ^③	Rec.709				
Optional Lenses	0.5:1 (manual) , 0.7-0.9:1, 1.0-1.6:1, 1.54-2.48:1				
Screen Size	80"~300"				
Blending	Vertical & Horizontal Adjustment: V: ±35°, H: ±35° 4-Point Keystone Correction, Curved Surface Correction (9 Points), Multi-Point Correction ^④				
Lens Shift	Vertical: ±50%, Horizontal: ±20%, Motorized				
Input Resolution	4K 60HZ, 1080P 120HZ				
Terminal Interfaces	Signal Interfaces: HDMI in × 2; HDMI out × 1; USB-A × 2 (Supports 5V=2A) ; HDBaseT × 1				
	Audio Interfaces: S/PDIF out				
	Control Interfaces: LAN (RJ45) × 1; RS232 (DB9) × 1; 3D SYNC × 2 (in/out); 3DIR OUT × 1; USB-B × 1				
Power Supply	100~240VAC 50/60Hz				
Power Consumption	Typical Power	550W	600W	550W	600W
	Standby Power	0.5W			
Installation	360° Installation				
Operation Noise ^⑤	36dB (Standard)				
Dimensions ^⑥	460mm × 388mm × 138mm (L × W × H 18.1" × 15.3" × 5.4")				
Weight ^⑦	12.5kg (27.6lbs)				
Temperature ^⑧	0~40°C (32°F~104°F)				
Humidity	10%~80% RH (No Condensation)				

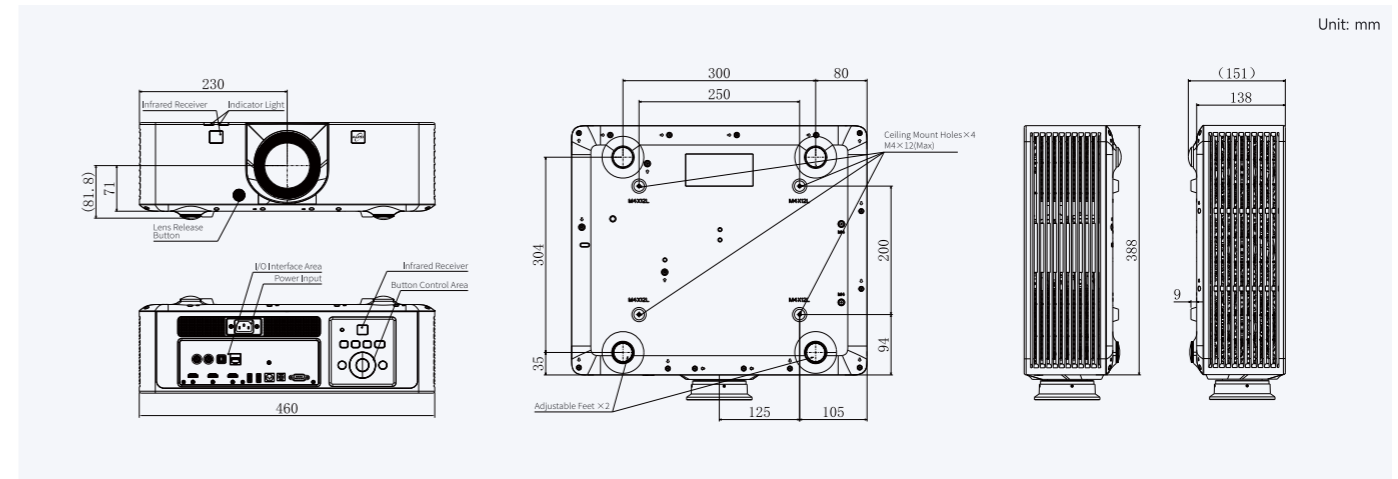
^① Based on ISO21118 standard. ^② Around this time, light output will have decreased by approximately 50%. Actual time may vary according to the operating modes, environment and other user behaviors. ^③ Calculated based on the equivalent area of the color gamut. ^④ Multi-point correction supported by APCS. ^⑤ The test data was obtained at ambient temperature of 25°. ^⑥ Structural protrusions and the lens are not included. ^⑦ Lens is not included. ^⑧ Light source brightness may decrease depending on operating temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly. Light output of projector will be reduced to 50% if ambient temperature exceeds 40°C(104°F).

Breathtaking Color Immersive World

4K UHD Laser Projector

M Pro Series

- 
 6,500-7,500 Lumens
- 
 ALPD® Technology Red Ratio > 12%
- 
 4K UHD & 1080P
- 
 100% REC.709
- 
 Optional Lenses
- 
 Advanced Geometric Corrections
- 
 Integrated Control System



D Pro Series



Excellent Experience D Pro Series

D Pro Series High Brightness Installation Projector



7,300-9,300 Lumens



ALPD® Laser Light Source



WUXGA Resolution



1s Power On/Off



Powered Lens Shift



Support 3D Functions



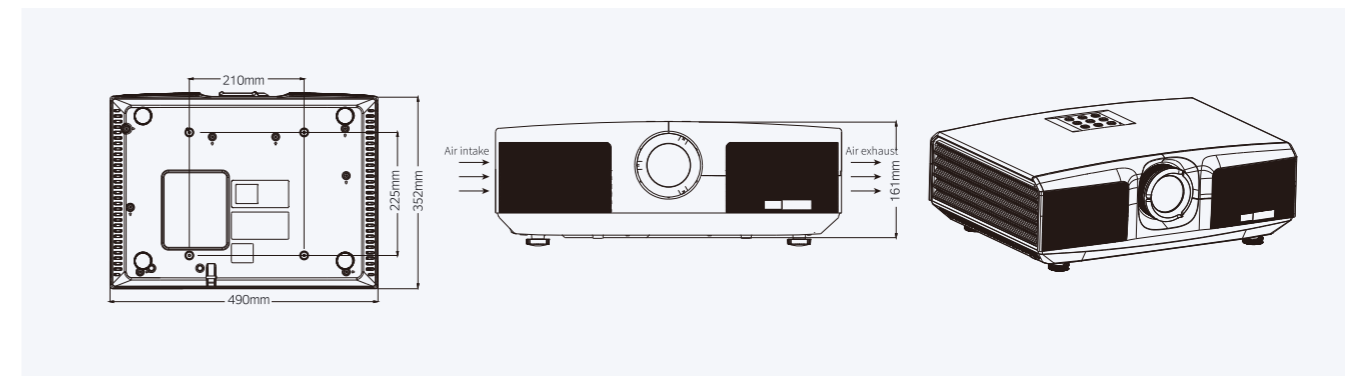
Multi-color Correction Technology



Cinema Level Reliability

Model	AL-DU735A	AL-DU835A	AL-DU935A	
Display Technology	DLP™x1, DLP™ projection system			
Panel Size	0.67" DMD			
Resolution	1,920×1,200, WUXGA			
Brightness Output ^①	7,300lm/7,600lm (Center)	8,300lm/8,600lm (Center)	9,000lm/9,300lm (Center)	
Light Source Type	ALPD® Light Engine			
Light Source Lifetime ^⑥	20,000h			
Contrast ^②	100,000:1			
Uniformity	90%			
Display Gamut	REC.709			
Optional Lenses	0.62:1, 0.8:1, 1.23-1.97:1			
Screen Size	80" ~ 300"			
Keystone	H+V: ±35°, 4-corner keystone			
Optical Axis Shift	Vertical: down 100%, up 60%, Horizontal: ±40%, powered			
Input Resolution	1,920x1,200			
I/O	DVI × 1 / HDMI × 2 / VGA × 1 / RS232 × 1 / M3 × 1 / RJ45 × 1 / USB × 1 / IR 3D out × 1			
Power Supply	100-240V AC, 50/60Hz			
Power Consumption	Standard	≤ 500W	≤ 550W	≤ 600W
	Standby	< 0.5W		
Orientation	360° installation			
Noise	35dB (standard mode)			
Structure	Measurements ^③	(L×W×H) 19.3×13.9×6.3" (490×352×161mm)		
	Weight ^④	≤28.6lbs(13kg)	≤30.8lbs (14kg)	≤30.8lbs (14kg)
Working Environment	Temperature ^⑤	32°F~104°F (0-40°C) 95°F~104°F (35-40°C) Eco Mode		
	Humidity	20%~80% (no condensation)		

^① Based on ISO21118 standard. ^② Full white/full black. ^③ Not including protruding parts. ^④ Including standard lens. Average value. ^⑤ Operation temperature will be set to 0°C- 35°C when working under High Altitude Mode. Output of projector will be reduced to 50% if ambient temperature exceeds 35°C. ^⑥ The output of the projector will have decreased by approximately 50% around this time. Data from accelerated lab simulations. Actual time may vary according to the operating modes, environment and other user behaviors.



S Smart Series



Ignites Your Immersive Experience with Full-Color Visual

High Brightness Laser Professional Projector

S Smart Series



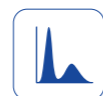
10,000-15,000 Lumens



ALPD® 5.0 RGBX® Full-Color Laser



4K+ (3,840×2,400) WUXGA (1,920×1,200)



110% Rec.709



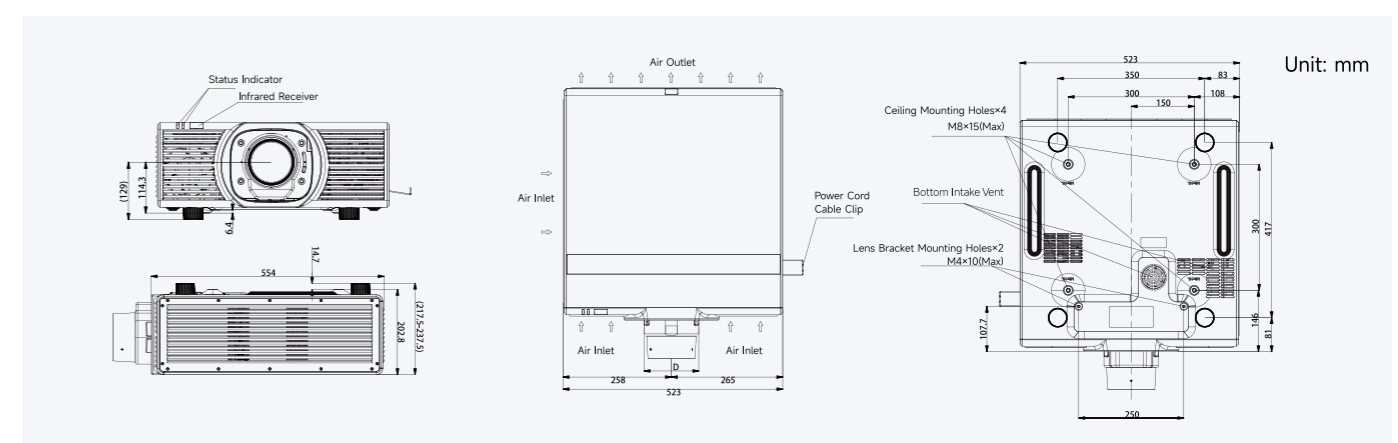
9 optional lenses Throw ratio 0.36-6.8:1



Input Signal Backup

Model	AL-SK15KAS	AL-SK13KAS	AL-SK10KAS	AL-SU15KAS	AL-SU13KAS	AL-SU10KAS	
Display Technology	DLP*1, DLP Projection System						
Panel Size	0.8" DMD						
Resolution	3,840×2,400			1,920×1,200			
Brightness ^①	15,000lm/16,000lm(Center)	13,000lm/14,000lm(Center)	10,000lm/11,000lm(Center)	15,000lm/16,000lm(Center)	13,000lm/14,000lm(Center)	10,000lm/11,000lm(Center)	
Light Source	ALPD® 5.0 RGBX® Full-Color Laser						
Light Source Lifetime ^②	20,000h						
Contrast	Native Contrast: ≥ 1,600:1			Full On/full Off: ≥ 100,000:1			
Uniformity	≥92%						
Color Gamut ^③	≥110% Rec.709						
Blending	Horizontal & vertical edge blending						
Optional Lenses	0.36:1; 0.53~0.63:1; 0.7~0.85:1; 0.85~1.1:1; 1.14~1.51:1; 1.5~2.4:1; 1.69~2.42:1; 2.4~3.8:1; 3.8~6.8:1						
Screen Size	100"~800"						
Geometric Correction	Corner, keystone, curve, multi-point (up to 33×33 points)						
Lens Shift ^④	Vertical: ±50%, Horizontal: ±20%, Motorized						
Signal Interfaces	Input Singal: HDMI2.0×2(4K/60P), DVI-D, DP1.2 (4K/60P), HDBaseT (3,840x2,400/60P) 3D Syn Signal: 3D SYNC in 3D SYNC out IR 3D out Dynamic Contrast Syn Signal: MULTI SYNC in, MULTI SYNC out						
Control Interfaces	Ethernet Port: RJ45 Serial Port: RS232 Infrared Extension Cable Interface: Remote IR in/out Debug Port: USB-B						
Other Interfaces	USB Expansion Port: USB-A 12V External Power Supply Port: Power 12V=1A						
Power Supply	100~240VAC 50/60Hz						
Power Consumption	Typical Power ^⑤	1,050W	800W	700W	1,050W	800W	700W
	Standby Power ^⑥	0.5W					
Installation	360° Installation						
Operation Noise ^⑦	40dB	38dB	37dB	40dB	38dB	37dB	
Dimensions ^⑧	538mm×510×mm×190mm (L×W×H 21.1"×20"×7.48")						
Weight ^⑨	28.5kg (62.8lbs)						
Temperature ^⑩	0~40°C (32°F~104°F)						
Storage Temperature	-10~+60°C (14°F~140°F)						
Humidity	10%~80% RH (No Condensation)						

① Comply with on ISO21118 standard.
 ② Around this time, light output will have decreased by approximately 50%. Actual time may vary according to the operating modes, environment and other user behaviors.
 ③ The value is calculated based on the equivalent color gamut area.
 ④ Lens shift support:
 AL-XL070FR, AL-XL085FR, AL-XL10MA, AL-XL150MA, AL-XL169MA, AL-XL240LA, AL-XL380LA: Vertical ±50%, Horizontal ±20%.
 AL-XL053FR: Vertical ±20%, Horizontal ±8%. AL-XL036FR: TBD
 ⑤ Measuring conditions: Operating on the Standard model, ambient temperature 25°C, 100~240V AC, 50/60 Hz.
 ⑥ Measuring conditions: In the Power Settings menu, select Power Standby ECO option, then turn off the projector into standby mode.
 ⑦ The test data was obtained at an ambient temperature of 25°C.
 ⑧ Structural protrusions and lens not included.
 ⑨ Lens not included.
 ⑩ Light source brightness may decrease depending on ambient temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly. Light output of projector will be reduced to 50% if ambient temperature exceeds 40°C (104°F).





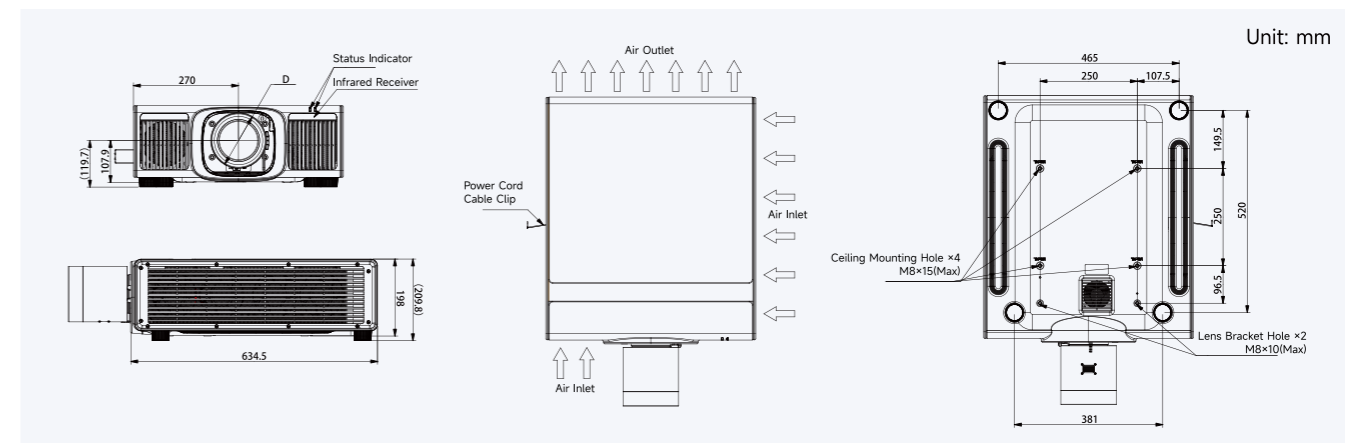
Model	AL-SK20KAP	AL-SK25KAP	AL-SU20KAP	AL-SU25KAP
Display Technology	DLP™ chip x 1, DLP™ projection system			
Panel Size	0.8" DMD			
Resolution	3,840×2,400		1,920×1,200	
Brightness ①	20,000lm/21,000lm (Center)	25,000lm/26,000lm (Center)	20,000lm/21,000lm (Center)	25,000lm/26,000lm (Center)
Light Source	ALPD® 5.0 RGBX® Full-Color Laser			
Light Source Lifetime ^②	20,000h			
Contrast	Native Contrast: ≥ 1,600:1 Full On/full Off: ≥ 100,000:1			
Uniformity	≥95%			
Color Gamut ^③	120% REC709 (Default), 100% DCI-P3, 90% BT.2020			
Optional Lenses	0.36:1; 0.53-0.63:1; 0.7-0.85:1; 0.85-1.1:1; 1.14-1.51:1; 1.5-2.4:1; 1.69-2.42:1; 2.4-3.8:1; 3.8-6.8:1			
Blending	Horizontal and vertical edge blending			
Screen Size	100"~800"			
Geometric Correction	Corner, keystone, curve, multi-point (up to 33×33 points)			
Lens Shift ^④	Vertical: ±50%, Horizontal: ±20%, Motorized			
Signal Interfaces	Input Signal: HDMI×2 (4K/60P); DVI (1,920×1,200/60P); HDBaseT (1,920×1,200/60P); 3D Sync Signal: 3D SYNC in; 3D syn out; IR 3D out Dynamic Contrast SYNC Signal: MULTI SYNC in, MULTI SYNC out			
Control Interfaces	Ethernet Port: RJ45	Serial Port: RS232	Infrared Extension Cable Port: Remote IR in/out	Debug Port: USB-B
Other Interfaces	USB Expansion Port: USB-A 12V External Power Supply Port: POWER 12V --- 1A			
Power Supply	100~240V AC 50/60Hz			
Power Consumption	Typical ^⑤ Standby ^⑦ Power	AC 100V~240V: 2000W	AC 100V~120V: 2000W ^⑥ AC 200V~240V: 2200W	AC 100V~240V: 2000W AC 100V~120V: 2000W ^⑥ AC 200V~240V: 2200W
Installation	360° Installation			
Operation Noise ^⑧	45dB (Standard)	47dB (Standard)	45dB (Standard)	47dB (Standard)
Dimensions ^⑨	625mm×533mm×178mm (L×W×H 24.6"× 21"×7")			
Weight ^⑩	35kg (77.2lbs)			
Temperature ^⑪	0~40°C (32°F~104°F)			
Storage Temperature	-10~+60°C (14°F~140°F)			
Humidity	10%~80% RH (No Condensation)			

① Comply with on ISO21118 standard.
② Around this time, light output will have decreased by approximately 50%. Actual time may vary according to the operating modes, environment and other user behaviors.
③ When DCI-P3 or BT2020 mode is selected, the brightness will decrease.
④ Lens shift support:
AL-XL070FR, AL-XL085FR, AL-XL110MA, AL-XL150MA, AL-XL169MA, AL-XL240LA, AL-XL380LA: Vertical ±50%, Horizontal ±20%.
AL-XL053FR: Vertical ±20%, Horizontal ±8%. AL-XL036FR: TBD
⑤ Measuring conditions: Operating on the Standard model, ambient temperature 25°C, 100~240V AC, 50/60 Hz.
⑥ The maximum value of light output is limited to 20,000 lm or less when using the projector with AC 100V to 120V.
⑦ Measuring conditions: In the Power Settings menu, select Power Standby ECO option, then turn off the projector into standby mode.
⑧ The test data was obtained at the ambient temperature of 25°C.
⑨ Structural protrusions and lens not included.
⑩ Lens not included.
⑪ Light source brightness may decrease depending on ambient temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly. Light output of projector will be reduced to 50% if ambient temperature exceeds 40°C (104°F).

Defining Color Perfection S Pro Series

All-New RGBX® Full-Color Laser Large Venue Projector









20,000-25,000 Lumens	ALPD®5.0 RGBX® Full-Color Laser	4K+ (3,840×2,400) WUXGA (1,920×1,200)	120% REC709 100% DCI-P3,90% BT.2020	9 optional lenses Throw ratio 0.36~6.8:1	Smart Control Remote O&M





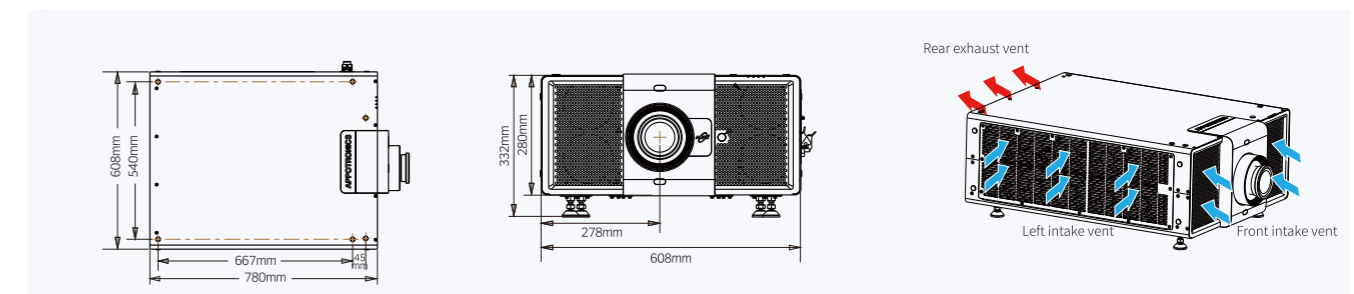
Superior Performance **T Pro Series**

Upgraded T Pro Series Large Venue Projectors

- 
 34,000lm
High Brightness
- 
 Improved ALPD 3.0
Light Engine
- 
 3DLP
Projection System
- 
 Wide Color Space
120% Rec.709
- 
 Compact
Light Weight
- 
 Input
Backup
- 
 8 Optional
Lens
- 
 Cinema Level
Reliability

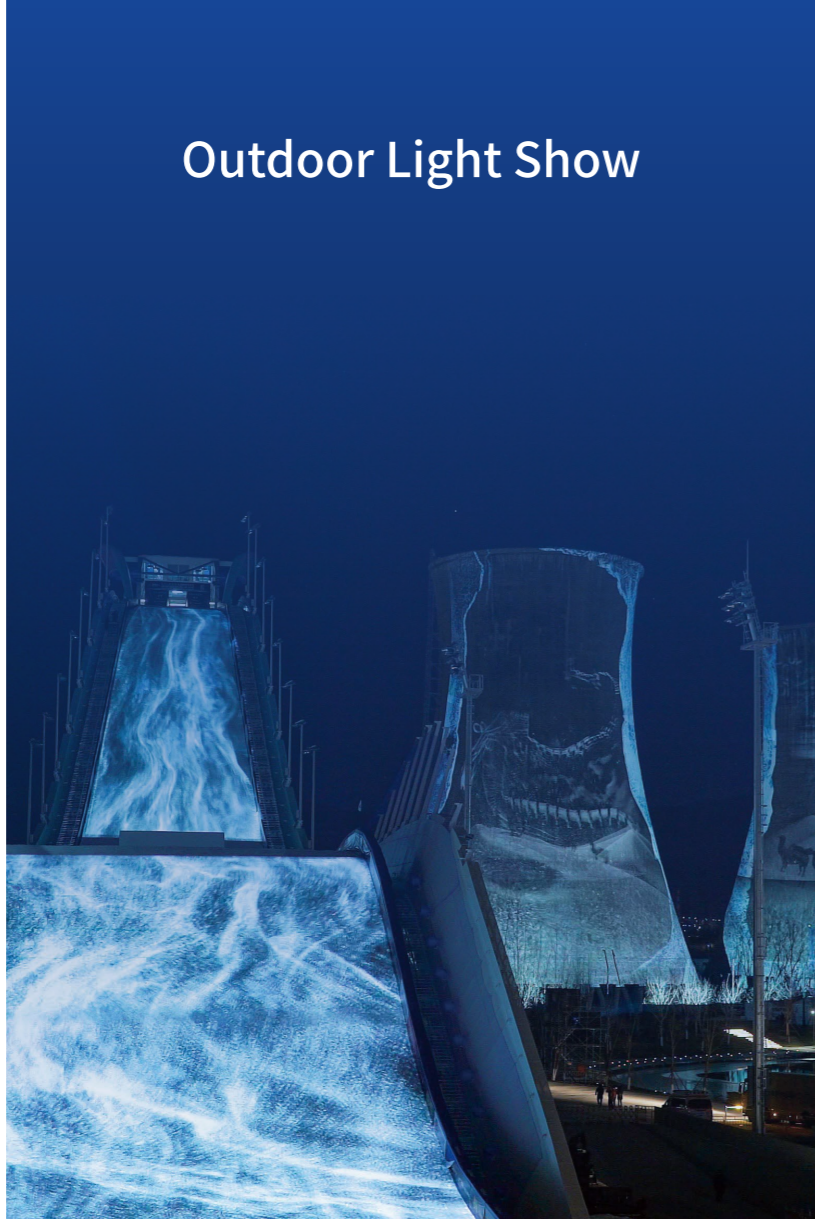
Model	AL-TU34KA	
Display Technology	DLP™ chip×3, DLP™ projection system	
Resolution	1,920×1,200	
Brightness Output ^①	32,000lm/34,000lm (Center)	
Light Source Type	ALPD® (Laser type: Class1, under IEC60825-1:2014)	
Light Source Lifetime ^⑥	20,000h	
Contrast ^②	100,000:1	
Uniformity	95%	
Display Gamut	REC.709	
Edge Blending	Horitonal & vertical edge blending	
Optional Lenses	Powered Lenses 0.89-1.29:1; 1.28~1.81:1; 1.6-2.29:1; 2-4:1; 3.66-5.94:1; 4.5-8.2:1	
Screen Size	70"-1000"	
Keystone	Vertical & horizontal ±20°, 4 corner and multi-points correction	
Refresh Rate	WUXGA 120 fps; 4K decode, 4K 60 fps	
Bandwidth	600MHz	
Optical Axis Shift	Vertical: ±90%, Horizontal: ±40%, powered	
I/O	HDMI × 1 / DVI-D × 1 / HDBaseT × 1 / VGA × 1 / DisplayPort × 1 / SDI × 2 / RS-232 (IN & OUT) × 2 / Remote (IN & OUT) × 2 / USB × 1 / RJ-45 × 1	
Power Supply	100-240V AC, 50/60Hz	
Power Consumption	Standard	2800W
	Standby	<0.5W (ECO Standby)
Structure	Measurements ^③	(L×W×H) 23.9×30.7×11" (608×780×280mm)
	Weight ^④	154lbs (70kg)
Noise		49dB
Working Environment	Temperature ^⑤	32°F~113°F (0°C~45°C)
	Humidity	20%~80% (no condensation)

① Based on ISO21118 standard. ② Full white/full black. ③ Not including protruding parts. ④ Including standard lens. Average value. ⑤ Operation temperature will be set to 0°C~35°C when working under High Altitude Mode. Output of projector will be reduced to 50% if ambient temperature exceeds 35°C. ⑥ The output of the projector will have decreased by approximately 50% around this time. Data from accelerated lab simulations. Actual time may vary according to the operating modes, environment and other user behaviors.

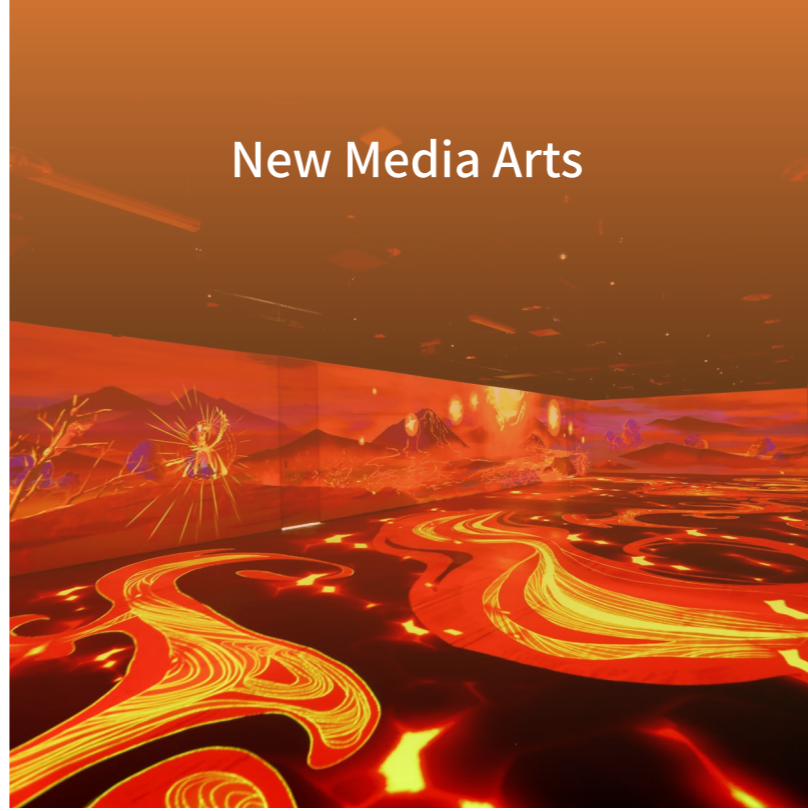


Applications

Outdoor Light Show



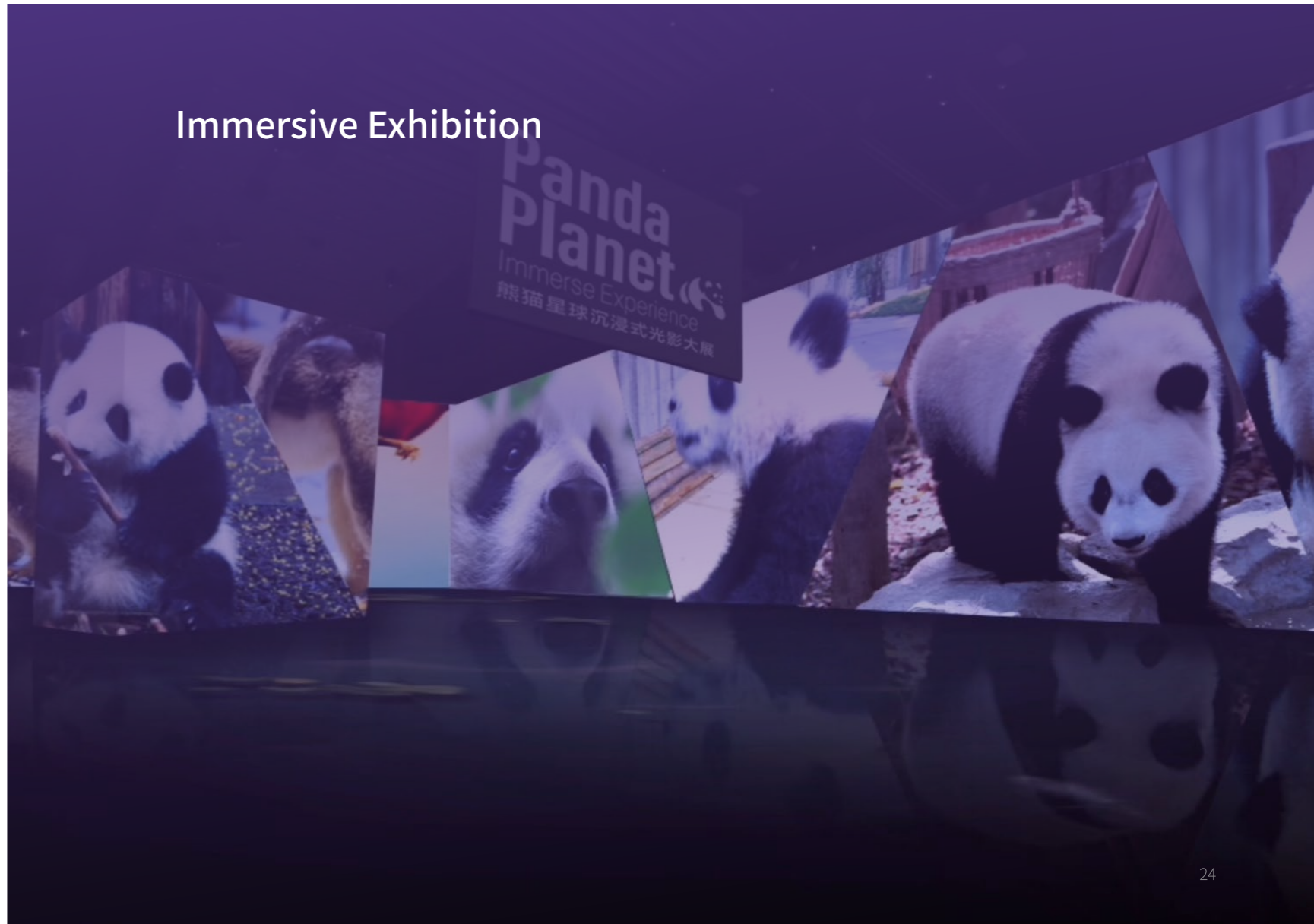
New Media Arts



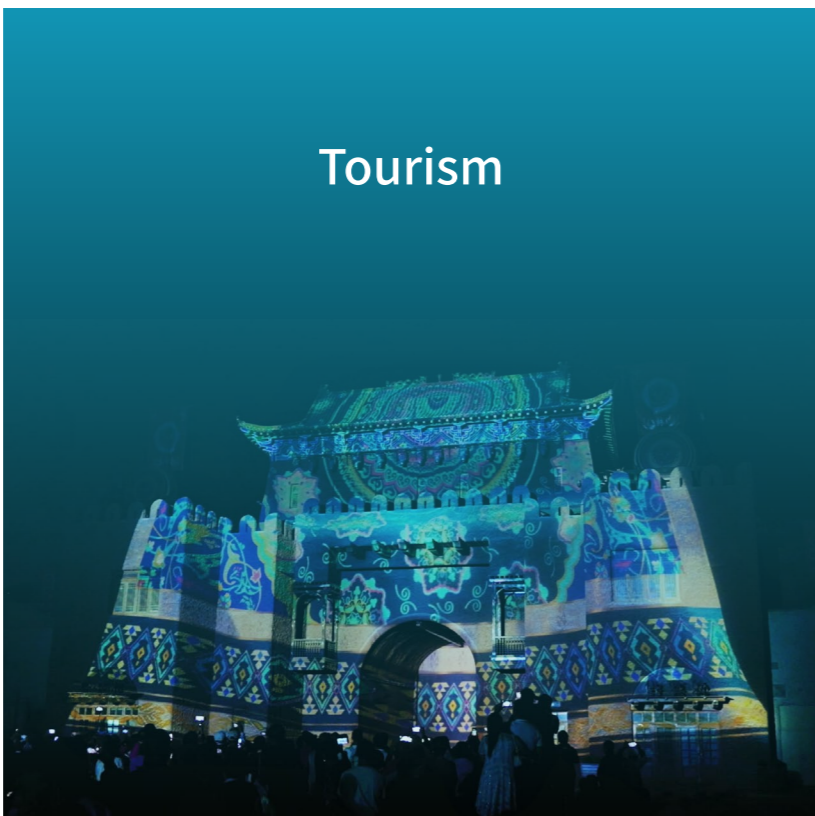
Staging



Immersive Exhibition

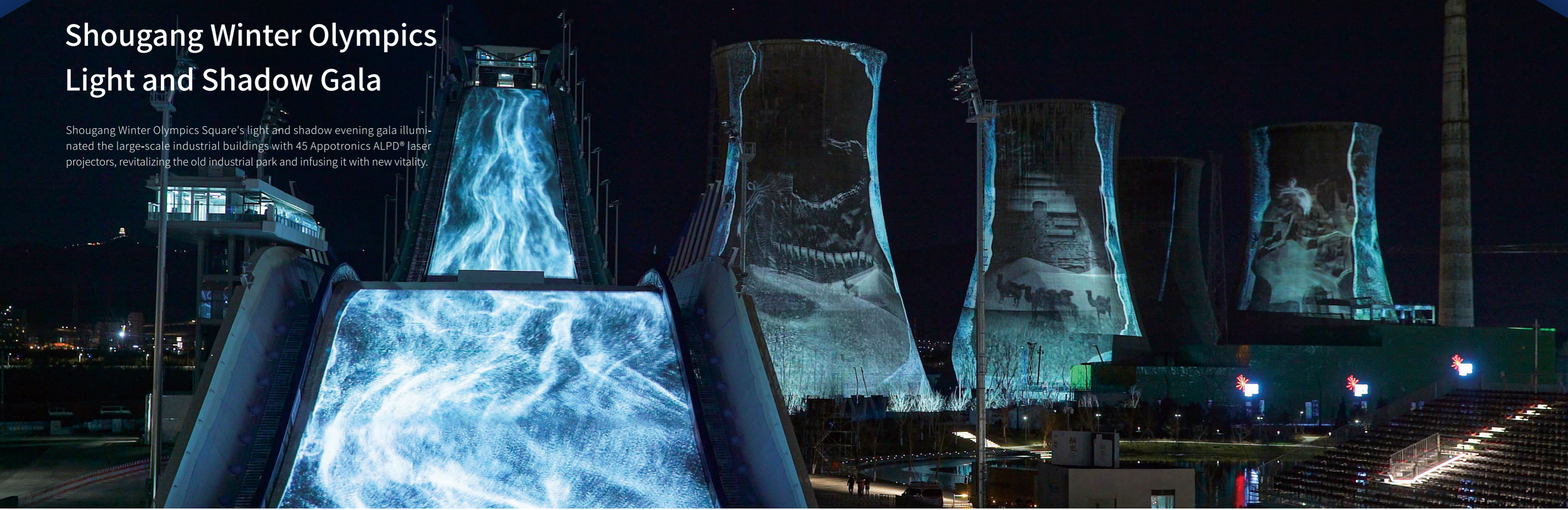


Tourism



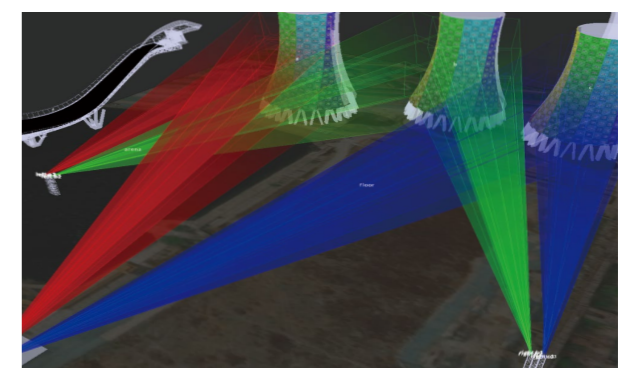
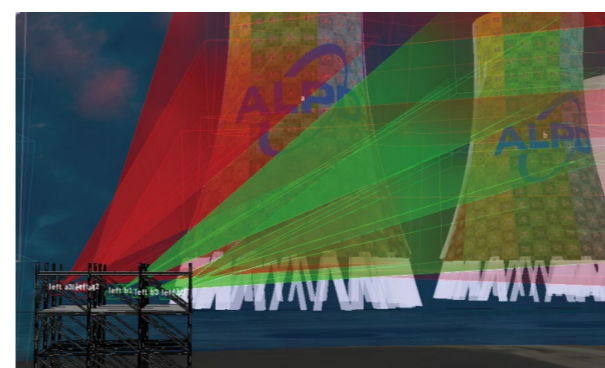
Shougang Winter Olympics Light and Shadow Gala

Shougang Winter Olympics Square's light and shadow evening gala illuminated the large-scale industrial buildings with 45 Appotronics ALPD® laser projectors, revitalizing the old industrial park and infusing it with new vitality.



Appotronics Laser Projector Contributes to Winter Olympics

The appotronics laser projector is a compact integrated machine, with a size equivalent to that of competitors' host with the same brightness. In the project implementation, the advantages of the integrated light weight structure were evident, facilitating quick and convenient installation and transportation.



14,000m² Integrated Laser Projection, Creating a New Landmark

The Appotronics laser high-brightness engineering projection series, employing ALPD® 4.0 light source technology, achieved approximately 30% improvement in light efficiency compared to the previous generation. With 1.38" chips, it effortlessly achieved 60,000 lumens high brightness, delivering breakthrough brightness and 4K exceptional image quality. The laser + fluorescence technology ensured no speckle in the

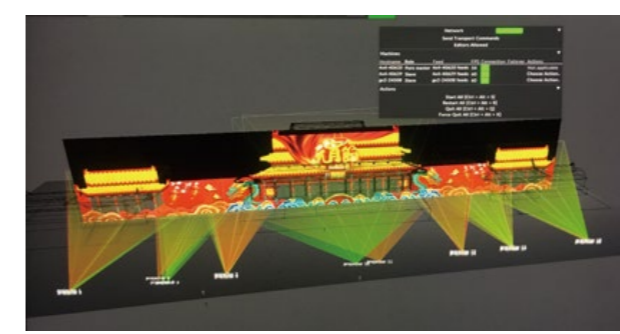
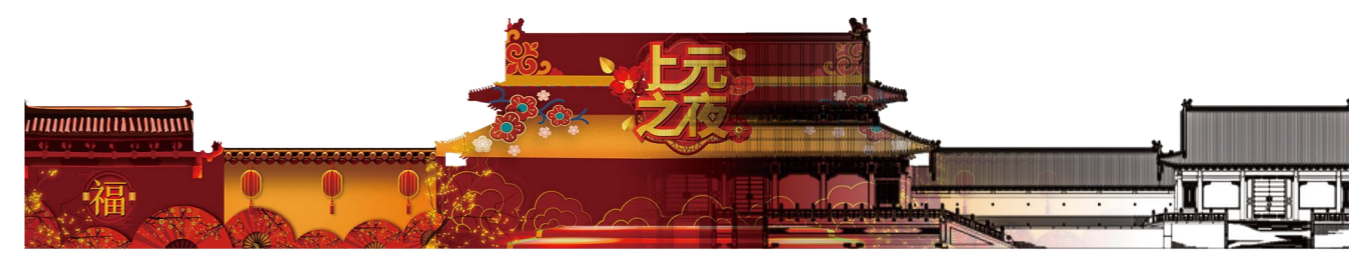
projection, guaranteeing the clarity and quality of the images. Even at a distance of approximately 260m from the farthest projection base station to the cooling tower, the 60,000-lumen projection remained clear, detailed, and vivid in color.

Lantern Festival Night in the Forbidden City

Appotronics - Taihe Gate 3000m² Projection Show



During the 2019 Spring Festival, the Palace Museum organized a grand exhibition called "Lantern Festival Night in the Forbidden City." The exhibition featured a 3000m² outdoor laser projection show at the Taihe Gate, using 20 laser projectors based on ALPD[®] laser display technology. The show, dedicated to celebrating the 70th anniversary of the founding of the People's Republic of China, employed cold light sources to prevent damage to cultural relics from excessive brightness.



After multiple on-site surveys, the design included 2pcs 60,000-lumen laser projectors and 18 pcs 13,000-lumen laser projectors, divided into 4 groups projecting from a distance of 65-80 meters from the Taihe Gate. A playback control platform was also set up for 3D outdoor projection show simulation rehearsals.



2019 Spring Festival "Future City"



In 2019, at Shenzhen sub-venue of Spring Festival Gala's, a program titled "Future City" featured a 2000m² outdoor projection show created by Appotronics. The show depicted futuristic transportation with cloud rails and buses, showcasing the "future lifestyle" to a national audience.

The Spring Festival Shenzhen sub-venue had high requirements for outdoor display systems, and Appotronics's ALPD[®] laser projection technology was chosen. The project used 54 ALPD[®] laser projectors, with 2pcs 60,000-lumen projectors and 18pcs 13,000-lumen projectors, operating at a height of 20m, creating a 3D-mapped future transportation scene.

"Snow Ruyi" National Ski Jumping Center

On the opening night of the 2nd Hebei Ice and Snow Games on December 21, 2020, ALPD[®] laser display technology illuminated the "Snow Ruyi" National Ski Jumping Center. Six AL-S4K60 Appotronics engineering projectors were used to create large snowflake patterns in freezing temperatures exceeding -20°C. The projectors, known for high brightness, image quality, flexible installation, and reliability, operated safely and stably in the harsh environment. The project team completed the installation and testing in just 10 days, delivering a visual feast to the audience during the opening ceremony.



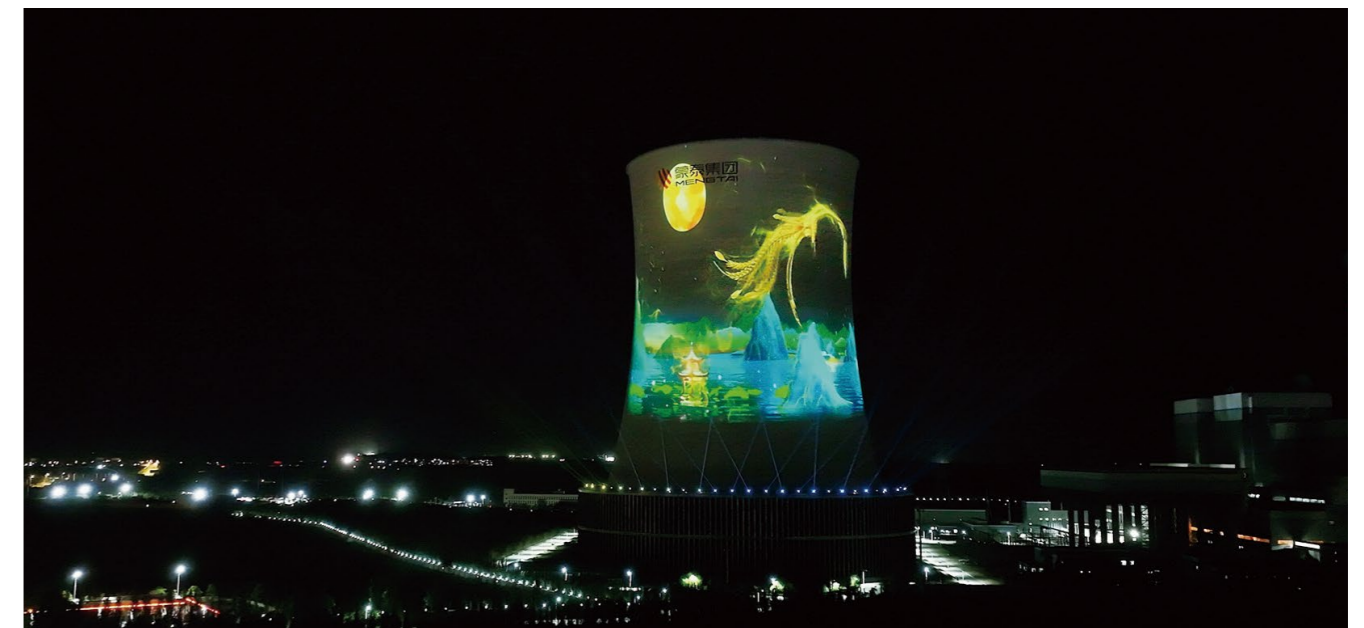
Ordos Montai Group Intercooler Tower Landscape Project

The outdoor landscape project for the indirect cooling tower of the Montai Dongsheng Phase II 2×660MW cogeneration project is located within the Beijiao thermal power plant area in Dongsheng District, Ordos City, Inner Mongolia Autonomous Region. This project encompasses the hardware equipment utilized for the cooling tower and its surrounding areas, including LED floodlights, computer beam lights, laser projectors, sound systems, and various interactive AR elements, all integrated with a control system to create a cohesive three-dimensional illuminated performance area.

The projection area of the cooling tower exceeds 20,000 square meters, with large-scale light and shadow displays on the tower's surface that embody the cultural spirit of the Montai Group, establishing it as a highly recognizable cultural landmark in Ordos. The projection content is diverse, catering to various themes and needs such as corporate promotion, urban scenery, and festive celebrations. It also supports the online collection and playback of news and sports events, delivering

high-quality visuals for different thematic projections. The combination of cultural artistry and practicality in the projection content transforms the Montai Dongsheng cooling tower into the soul of the enterprise, the eye of corporate communication, and a window to the city of Ordos, illuminating the night tourism experience.

The project utilized 30 units of the Guangfeng T-series engineering projectors, with a projection area height of 130 meters and a curved width of 162 degrees. At a projection distance exceeding 200 meters from the cooling tower, the projectors delivered clear images with over 30,000 lumens of brightness, creating a stunning visual display that illuminated the massive cooling tower at night through a combination of sound, light, and shadow. By employing intelligent lighting control and integrating a networked lighting control system, we crafted a captivating and dynamic light and shadow show for the facility.



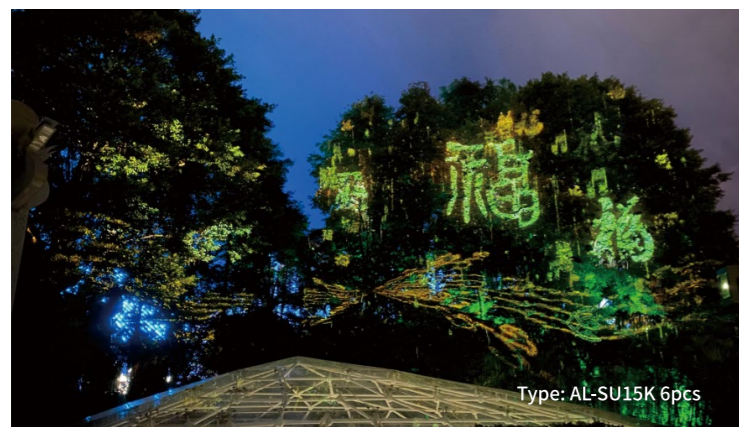


Fuling Grand Theatre

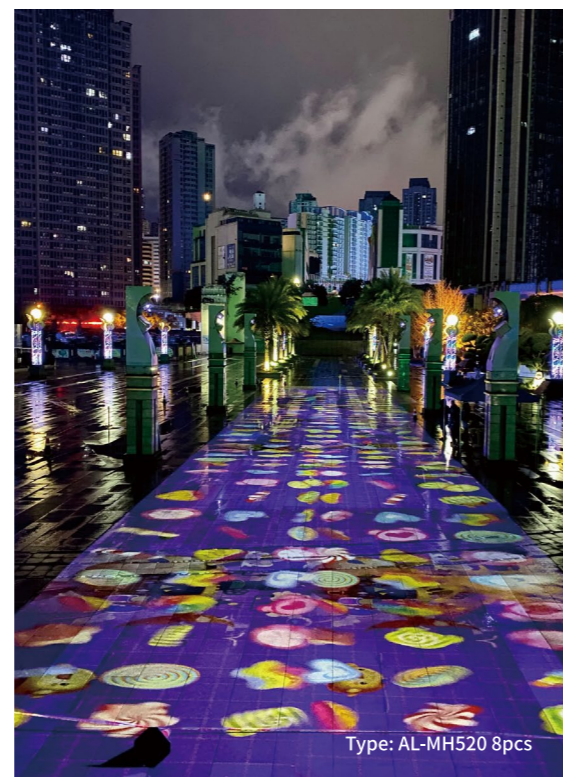
Fuling District is one of the districts under the jurisdiction of Chongqing, located in the central part of the city and at the heart of the Three Gorges Reservoir area, where the Yangtze River and Wu River converge. It serves as a core city within Chongqing's one-hour economic circle, a central city in south-eastern Chongqing, and a key city in the eastern Chengdu-Chongqing economic zone. In recent years, with the rise of urban lighting, the integration of technology and cultural tourism has become a significant trend, enhancing the entertainment life of citizens through digital technology. Nighttime projection light shows have gradually entered our field of vision. Appotronics' various series of high-brightness 3DLP projection solutions effectively address numerous user demands, including image quality, operational costs, and reliability.



Type: AL-SU15K 8pcs



Type: AL-SU15K 6pcs



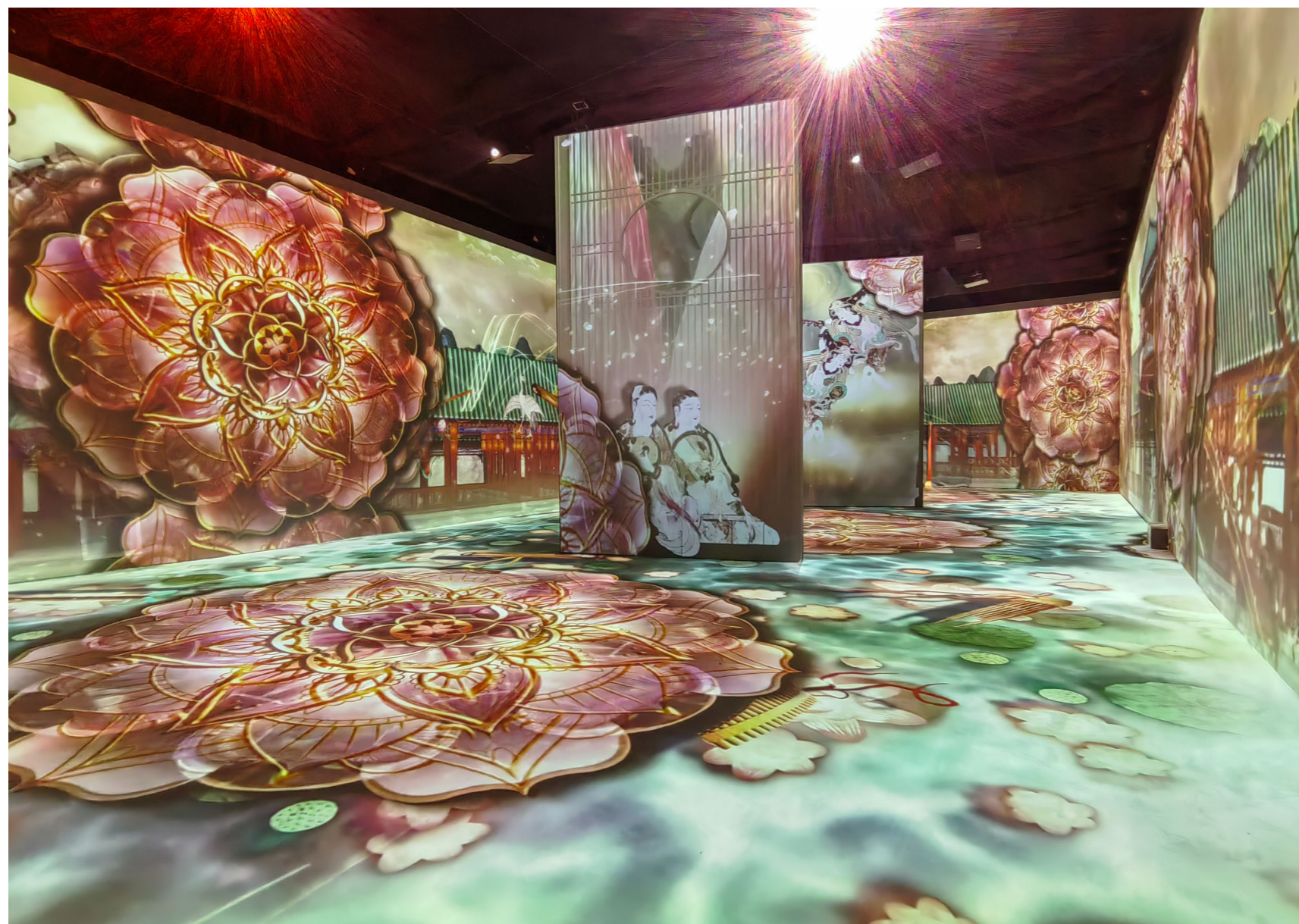
Type: AL-MH520 8pcs

Nearly 50 units Appotronics Large Venue laser projectors were seamlessly deployed across various areas of the grand theater. The exterior wall display area was created using multiple high-brightness AL-TU33K laser projectors, each boasting 33,000 lumens, which were seamlessly blended and layered to form a cohesive image. Their stable and reliable performance ensured they could operate continuously in high-intensity environments, delivering long-lasting brilliance.

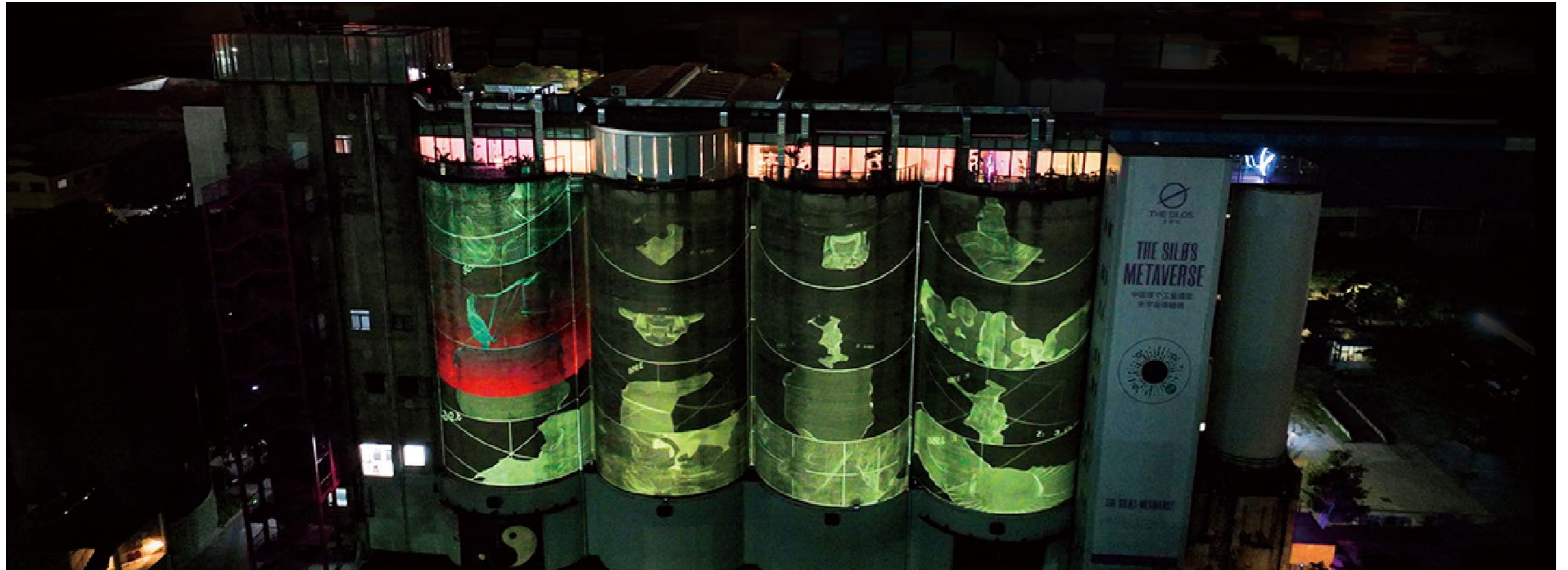
The grand theater's exterior wall vividly tells the captivating story of Fuling, transforming it into a popular social media hotspot and earning widespread praise from local residents.

The Fuling Jinxiu Square light and shadow show project aims to shape the city's soul through diverse cultural elements. By highlighting Fuling's unique cultural characteristics and strengthening cultural heritage, the project enhances the city's brand. It elevates the city's cultural sophistication, boosts its cultural soft power, and creates a comprehensive, multi-layered, and wide-ranging cultural communication framework. This effort not only showcases Fuling's distinctive charm but also solidifies its identity as a city with unparalleled character and appeal.

Immersive Cultural Art Project – Meet Dunhuang

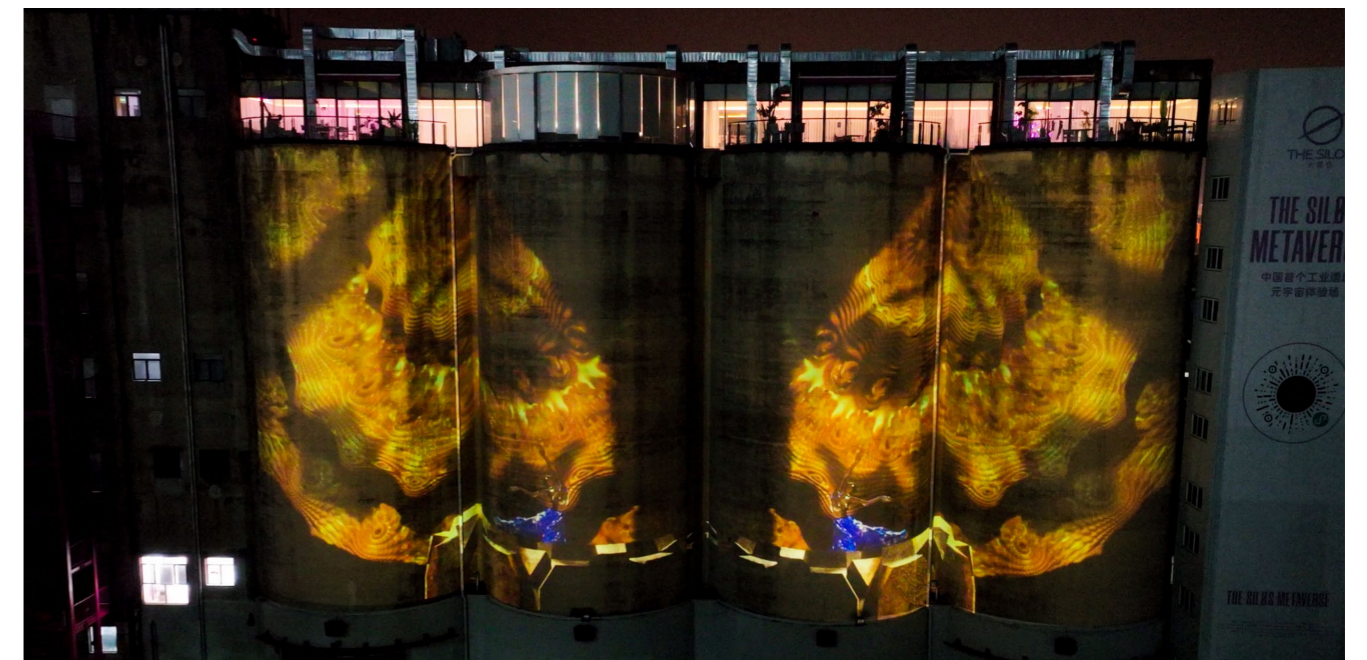


The “Meet Dunhuang” Light and Shadow Art Exhibition used an extensive projection area to create an immersive light and shadow space. 3D light carving digital technology broke through conventional physical space, transforming objects into projected images, presenting a colorful three-dimensional realm. Several units from Appotronics's S series collaborated to deliver a powerful visual impact to the audience.



Metaverse Experience Center at the Big Silo

The Shenzhen Metaverse Experience Center at the Big Silo was originally the raw material silo of the Guangdong Float Glass Factory. In 2022, the Big Silo launched its first digital art exhibition, featuring nearly 60 artists from around the world and over 40 artworks. Using cutting-edge technologies like holographic imaging, VR, and AR, the exhibition created a mysterious and fantastical world, immersing visitors in a one-of-a-kind digital experience.



Fahai Temple Mural Art Museum

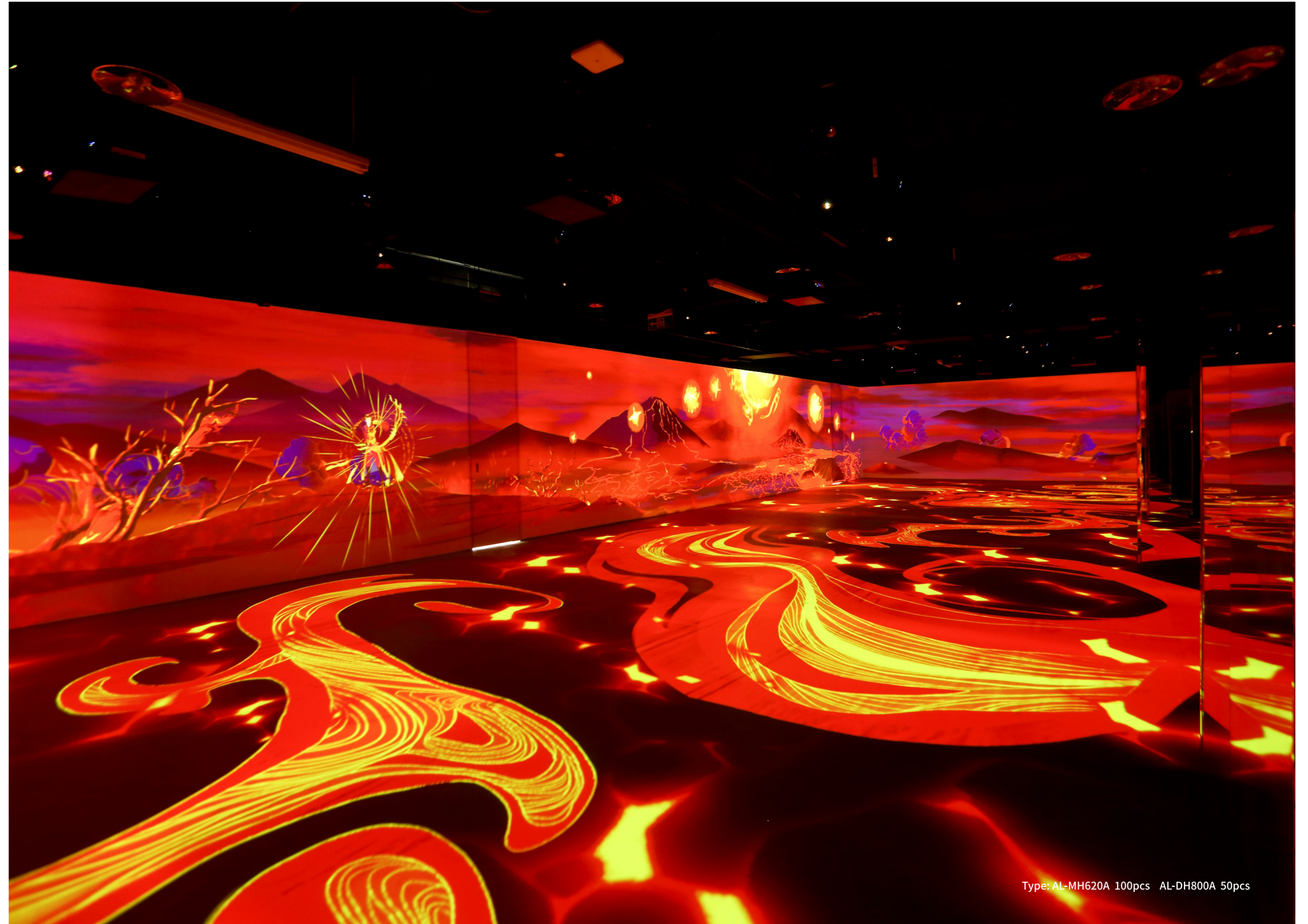
The murals of Fahai Temple are among the most outstanding examples of ancient wall paintings in Beijing, representing the pinnacle of mural art during the Ming Dynasty. While they share equal distinction with the murals of Dunhuang and the Yongle Palace, they also stand as a worthy counterpart to the frescoes of the European Renaissance. Truly, they are a treasure of ancient Chinese art.

Today, a Fahai Temple Mural Art Museum has been built at the foot of Cuiwei Mountain, right next to the temple. Through digital media displays, the museum brings the murals and their stories to life in a richer, more immersive way. This innovative approach breaks through the limitations of time and space, allowing all visitors to experience the artistic and cultural beauty of these ancient masterpieces in a deeply engaging and interactive manner.



Immersive Digital Art Project

Nearly 150pcs ALPD® laser display projectors, combined with dynamic capture devices, presented an art creation jointly developed by well-known domestic academic institutions, cultural IP, and artists. The laser projection created large-scale visual displays and a modern visual experience with the fusion of sound, light, and shadow, providing the audience with an immersive sensation.



Type: AL-MH620A 100pcs AL-DH800A 50pcs

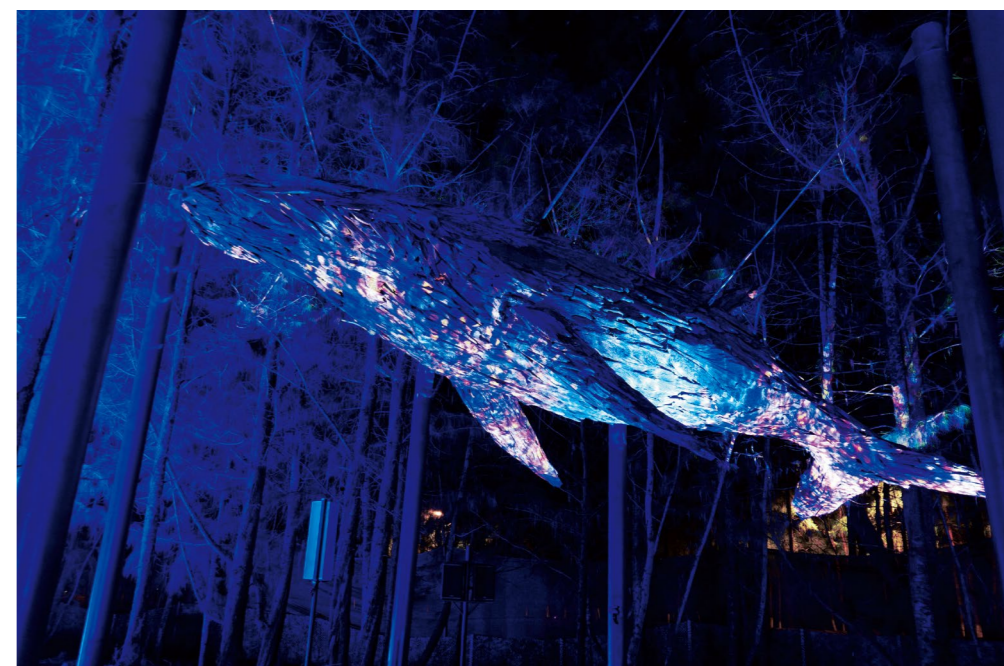
PLANETARY STORY

BLUE TEARS

"Planetary Story: Blue Tears" is the inaugural work of the Planetary Story multimedia drama series in China. Inspired by the traditional lifestyle and maritime exploration spirit of the Neolithic indigenous people of Pingtan Island, the creative team has integrated the unique topography of the 500-acre Casuarina ecological forest and coastal granite formations at Tannan Bay. Utilizing advanced technologies such as lighting, sound effects, imagery, interactivity, and NPC performances, this multimedia narrative presents a fantastical tale of Pingtan youth "A Di" and his pirate dog "Yuan," as they embark on a journey to decode the mystery of the blue tears.

The project employs 38 Lightstorm engineering projectors to create 25 fragmented scenes along a 2.2-kilometer dark forest trail, offering a 100-minute guided night experience. Participants engage in 16 immersive human-computer interaction segments, allowing them to feel the enchantment of the forest and sea exploration.

In the final chapter of the adventure, a giant gauze curtain over 100 meters long is erected in the center of the reef-formed Aokou, where panoramic dynamic projections create a dreamlike and stunning coastline. This boundaryless theater seamlessly merges culture, art, and technology, unlocking a surreal journey through the blue tears.





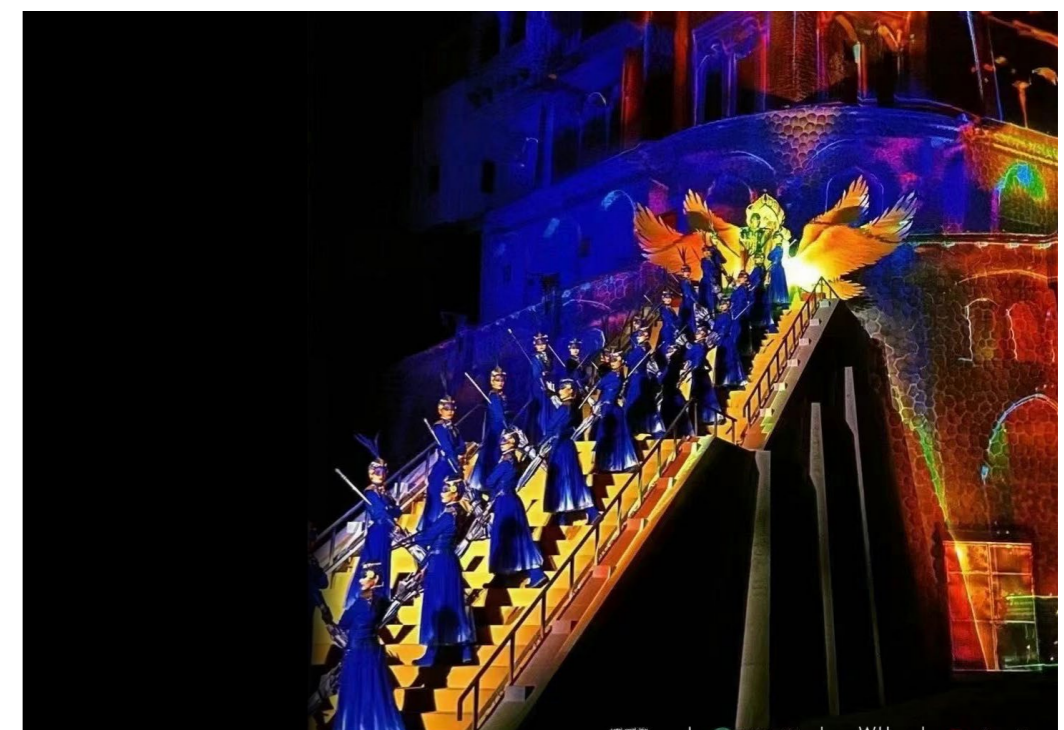
From Immersive Experiences to 3D Mapping

Rooted in the uniqueness of Mazu culture, Appotronics has contributed to the creation of several light and shadow projects, attracting tourists with new forms of digital art and boosting the tourism development of Meizhou Island.

"First Encounter with Mazu" is located in the Tianhou Square Grand Theater next to the Mazu Ancestral Temple. This project seamlessly blends the profound Mazu culture with modern digital light and shadow technology, breaking through the limitations of traditional storytelling. In an immersive space, it transports the audience from being mere "spectators" to becoming part of the story itself.

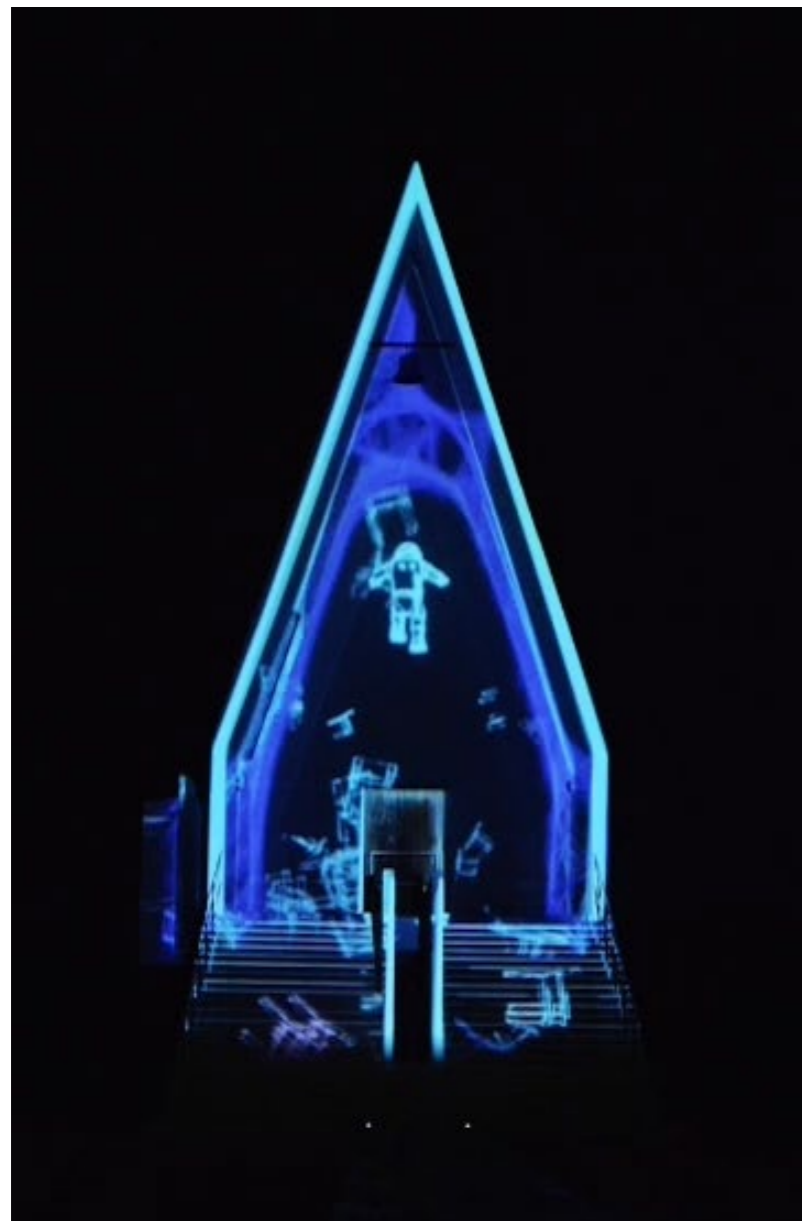
The Tianfei Hometown Heritage Park is one of the birthplaces of Mazu culture. With its rich historical relics and cultural landscapes, it serves as a sacred site for inheriting and promoting the spirit of Mazu, as well as a popular tourist destination on Meizhou Island. Within the park stands the Peace Tower, symbolizing Mazu's blessings for the island's tranquility and the safe voyages of fishermen. As night falls, the Peace Tower becomes the visual centerpiece of the park under the glow of light and shadow. The projection seamlessly aligns with every curve and edge of the tower, creating a stunning 3D mapping effect on its complex architectural surface, making it one of the island's most iconic nightscapes.

XINJIANG HOTAN
THE HARMONY RESONATES
IN HOTAN



**Large-scale Live Performance
Xinjiang Hotan Yutegan Ancient City**

Xinjiang Hotan Ancient City hosts a large-scale live performance, the first immersive show in Xinjiang called 'The Harmony Resonates in Hotan.' By combining innovative light and shadow technology with historical and cultural stories, the performance allows the audience to fully experience an immersive journey with the motto 'Every step, a scene; every road, a play!' This project utilized a total of 27pcs AL-GU20KA projectors, achieving detailed and realistic large-scale images with a brightness of 20,000 lumens and the high-color brightness of 3DLP technology."

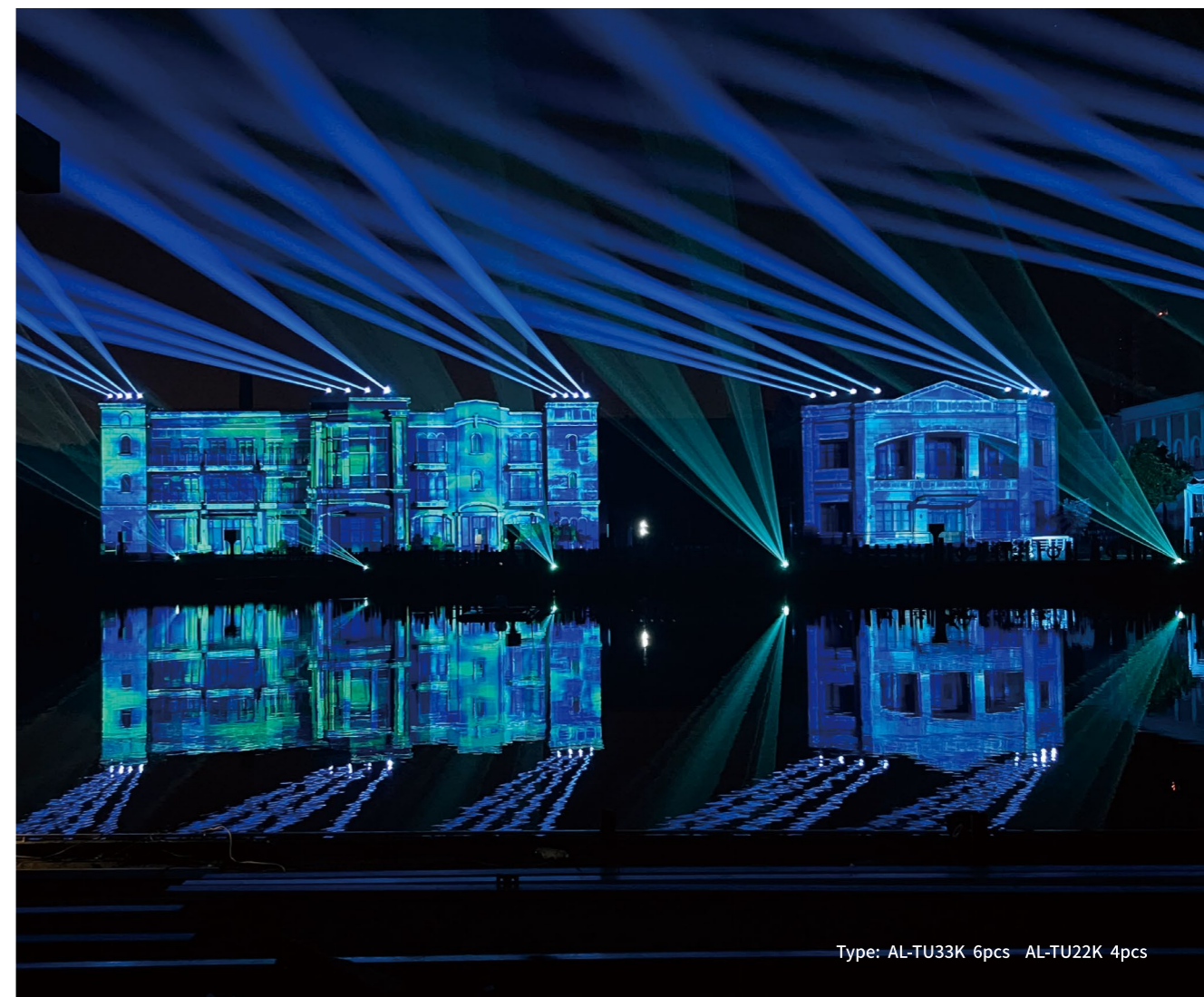


Anaya Auditorium Mapping "Tide"

The Anaya Auditorium by the sea is like a spiritual utopia, where the tide rises and falls, and the sun and moon change. The new media art installation is a special presentation of the Anaya Auditorium, with laser projected images expressing thoughts and exploring values between the movements of the tides.



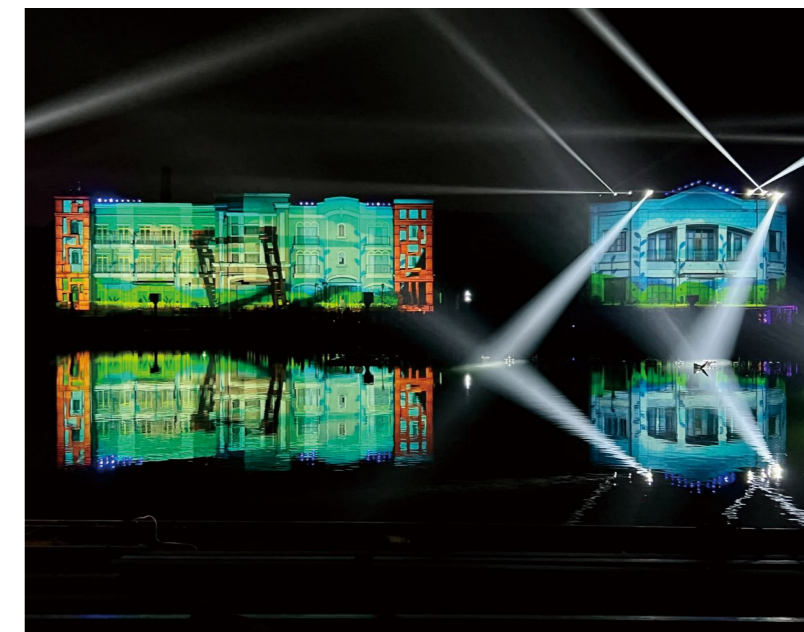
Type: AL-SU13K 6pcs



Type: AL-TU33K 6pcs AL-TU22K 4pcs

Huallywood 5D Light Show

The application of Appotronics projectors on the large building surface to create a scene picture, combined with music and other audio-visual clever combination of visual images, the scene is grand, heart-wrenching.





Type: AL-TU33KA 6pcs



Type: AL-TU33KA 8pcs

Wuyuan Wunvzhou Hui Culture and Tourism Town

Located in Wuyuan County, Shangrao City, Jiangxi Province, the "Hometown in Dreams" scenic area is part of Wuyuan, known as China's most beautiful countryside. Wuyuan has been actively developing its eco-tourism industry, continuously exploring its cultural heritage and integrating intangible cultural heritage and folk traditions. With the support of the Appotronics team, the project has brought to life the theme of Hui culture and the local legend of "Wunv Feitian" (The Flying Celestial Maiden). By combining immersive experiences as a core element, the team used 14 units AL-TU33K projectors to create a stunning lake show and a mesmerizing mapping show on the Baoyu Tower, crafting a nightscape rich in cultural depth.

To deliver an even more breathtaking visual experience and break the boundaries of conventional physical space, 8 units AL-TU33K high-definition laser projectors were installed on both sides of the Baoyu Tower. Utilizing ALPD® semiconductor laser light source technology, the projectors seamlessly blended and layered images across the tower's façade, which spans 59 meters in height and 33 meters in width. The result is a jaw-dropping visual spectacle that transforms the tower's daytime solemnity into a vibrant, nighttime "rebirth," offering audiences an unforgettable and immersive experience.



Expo 2025 Osaka, Japan

The Shenzhen Metaverse Experience Center at the Big Silo was originally the raw material silo of the Guangdong Float Glass Factory. In 2022, the Big Silo launched its first digital art exhibition, featuring nearly 60 artists from around the world and over 40 artworks. Using cutting-edge technologies like holographic imaging, VR, and AR, the exhibition created a mysterious and fantastical world, immersing visitors in a one-of-a-kind digital experience.



China Pavilion

As one of the largest foreign - constructed pavilions at Expo 2025 Osaka, Japan, the China Pavilion features five Chinese calligraphy styles — seal script, clerical script, regular script, running script, and cursive script. It is inscribed with 319 poems and names of scenic spots in Chinese characters, showcasing the time - honored charm of traditional Chinese calligraphy.

Covering an area of approximately 3,500 square meters, the China Pavilion takes “Jointly Building a Future Society for Harmonious Coexistence between Humans and Nature and Green Development” as its theme. Centering on the concepts of “Unity of Man and Nature”, “Lush Mountains and Clear Waters”, and “Boundless Vitality”, it is composed of three major exhibition areas, presenting an exhibition imbued with a unique Chinese style that is poetic and thought - provoking at every turn.



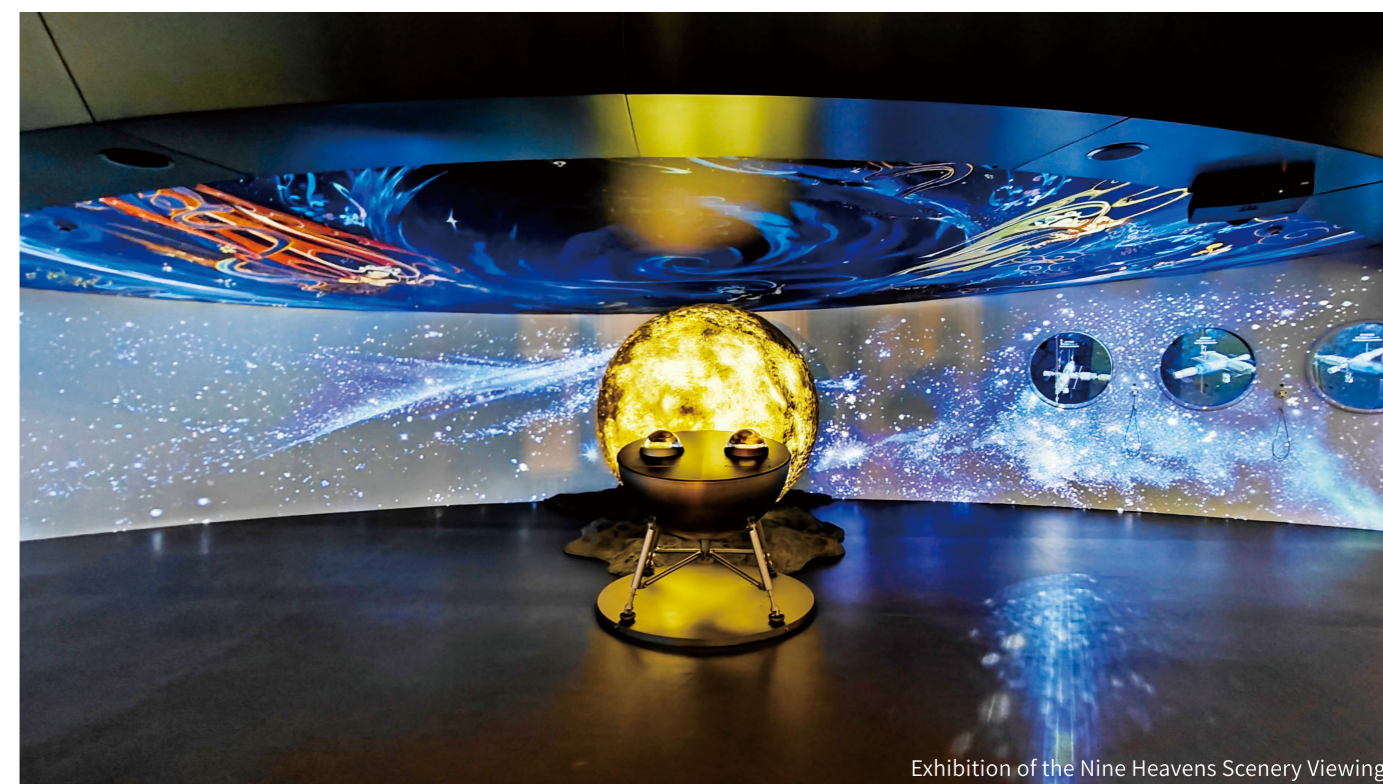
Exhibition of the Long River of Words



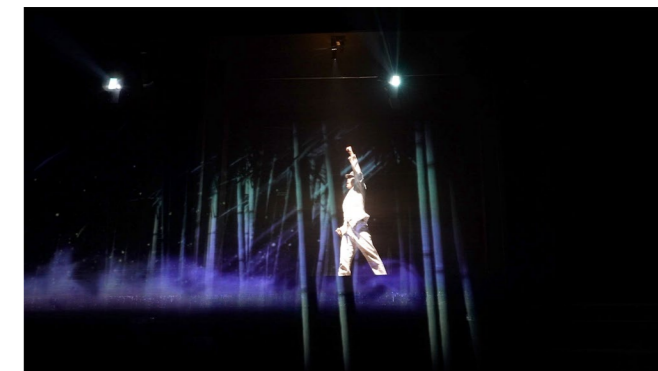
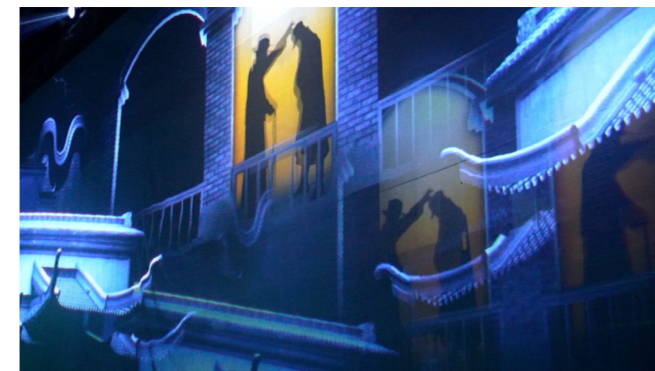
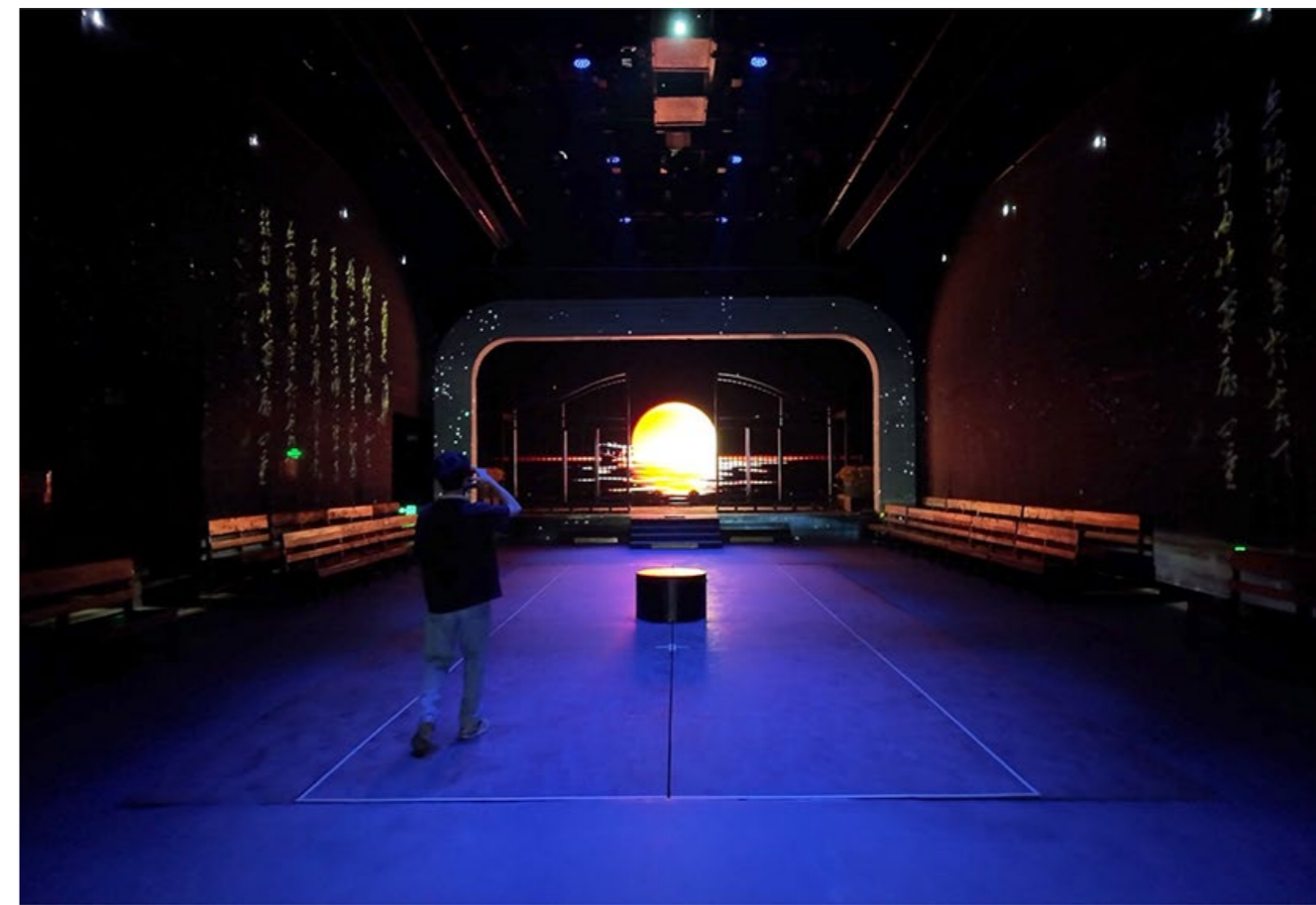
Exhibition of Cultural Heritage Sites



Exhibition of Five Oceans Roaming



Exhibition of the Nine Heavens Scenery Viewing



"Youthful Companions" Youth Theater

"Youthful Companions" Youth Theater focuses on the vibrant youth of New China, set against the backdrop of their vivid educational experiences at the First Normal School of Hunan Province from 1913 to 1918. The narrative revolves around the youths' journey of "questioning, seeking, and establishing their aspirations," creating a dramatic scenario that unfolds their growth. Here, the audience transforms into "characters within the play," embarking on a quest for ambition alongside the youths, experiencing the grandeur of that era through innovative modern technological interpretations and immersive stage settings.

The theater space is divided into one main theater and four auxiliary theaters. Combining advanced engineering projections with scrim, the theater creates an innovative stage environment. The use of light and shadow crafts an atmospheric setting for performances, opening the door to different times and spaces, and immersing the audience in multiple segments of magnificent historical stories, significantly enhancing the emotional impact and awe of the live performances.



Panda Planet

At Beijing's Dewey Center, more than 50 high-definition laser projectors from Appotronics lit up the national treasure art installation, Panda Planet, transporting visitors into the magical world of giant pandas. As soon as you step into the immersive light and shadow space, you're greeted by a stunning 800-square-meter screen. Using 16 units FPro series and 25 units DPro series laser projectors, Appotronics creates a breathtaking starry sky, blending light and shadow in a way that truly captivates the audience.

The success of Appotronics' laser projectors in Panda Planet is yet another testament to their outstanding performance. Thanks to their cutting-edge ALPD® semiconductor laser light source technology, Appotronics is pushing the boundaries of what's possible in exhibition and new media art. Their displays not only inspire creativity but also deliver jaw-dropping visual experiences to audiences around the world. Looking ahead, Appotronics plans to keep expanding the possibilities for their laser projectors, bringing even more awe-inspiring moments to life and lighting up the world in new and exciting ways.





Creative Projection By-Health Nutrition Exploration Pavilion

With an investment of over 100 million RMB and three years of construction, the By-Health Nutrition Exploration Museum spans 7,000 square meters. Inside, 76 Appotronics engineering laser projectors create a mesmerizing "multi-sensory space" of sound, light, and electricity. Like a treasure trove of light-and-shadow nutrition knowledge, the museum transports visitors into the fascinating world of life and nutritional science, offering an immersive and educational experience like no other.



West Lake Museum

Using cutting-edge light-and-shadow technology, the West Lake Museum enhances its exhibits and content, offering visitors an immersive journey through the millennium-long history and cultural evolution of West Lake. This innovative approach brings the stories and heritage of West Lake to life, creating a captivating experience for all.

METACLUB Immersive Entertainment Space

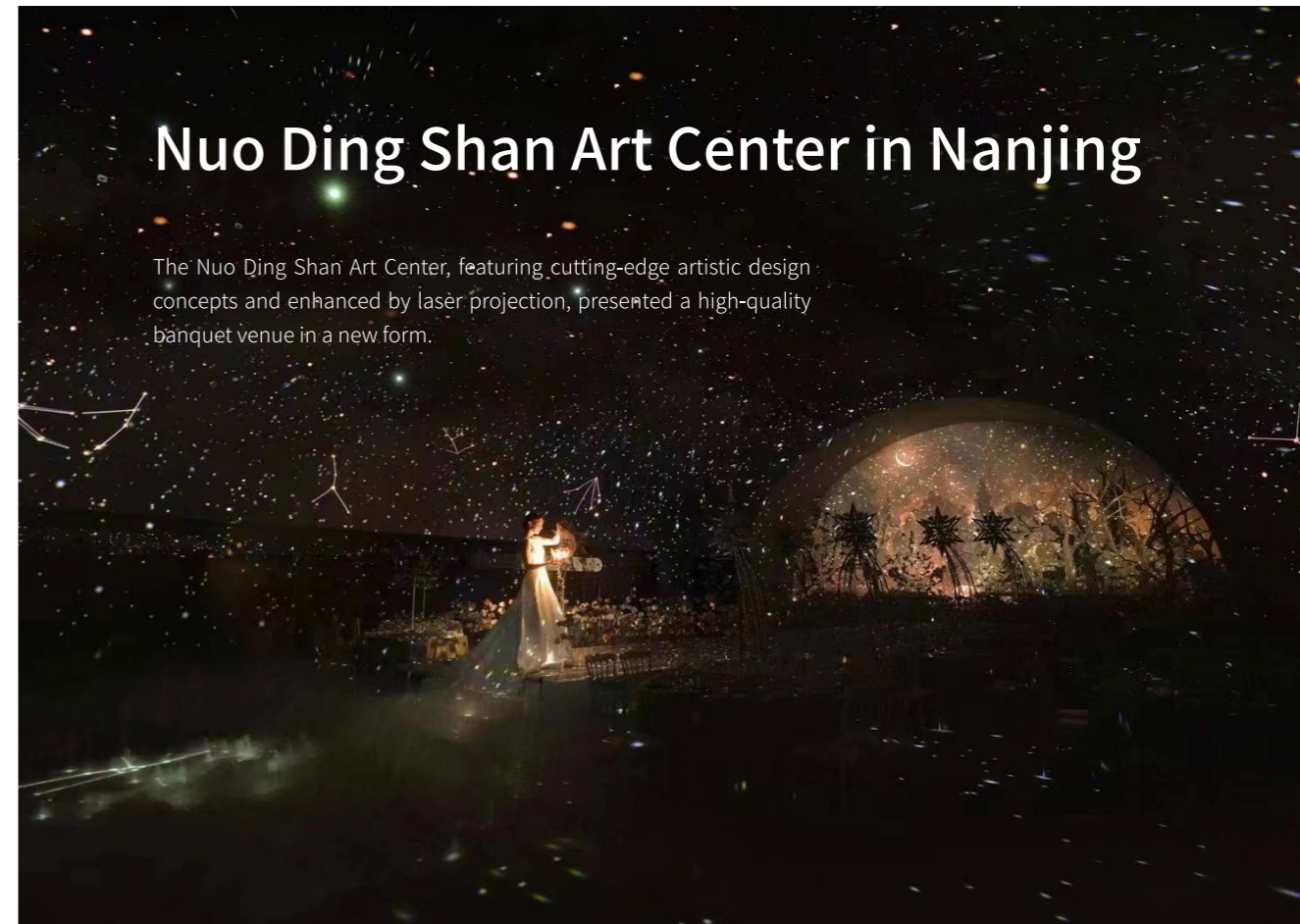
META CLUB's immersive entertainment space included four major formats: light and shadow restaurant, drama bar, script games, and parent-child entertainment, forming a fantastical space. Laser projection transformed specific areas into a new-generation living circle in the metaverse, turning dreams into reality.



Type: AL-MH520A 48pcs AL-DH800 7pcs

Nuo Ding Shan Art Center in Nanjing

The Nuo Ding Shan Art Center, featuring cutting-edge artistic design concepts and enhanced by laser projection, presented a high-quality banquet venue in a new form.

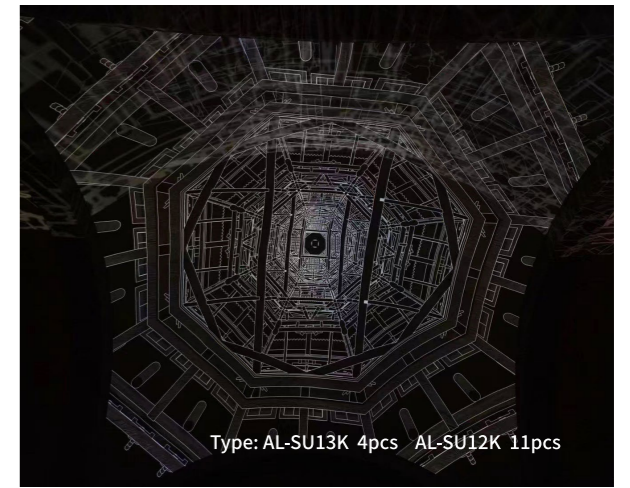


Type: AL-DU730A 19pcs AL-SU13KA 2pcs



Stage Performance – Finals of Chinese Westward Journey Mobile Game Championship

Six units Appotronics T-Series 33,000-lumen laser projectors were used to create a stunning naked-eye 3D visual effect on the main stage. By projecting from multiple angles, the setup transformed the competition venue into a lifelike Heavenly Palace Arena, immersing players and audiences alike in a truly realistic and captivating experience.



Tsinghua University 110th Anniversary Light Show The Great Masters

To celebrate Tsinghua University's 110th anniversary, the light show The Great Masters was staged at the university's grand auditorium. Using laser projection technology, the show transformed the auditorium into a space for dialogue with history, immersing the audience in the charm and legacy of the great scholars and masters.

M Pro Series										
Screen Size 16 : 10				AL-ML050FR	AL-ML070FR		AL-ML100MA		AL-ML153MA	
Diagonal		Screen Width	Screen Height	0.5	0.7	0.9	1	1.6	1.54	2.48
Unit : inch	Unit : m	Unit : m	Unit : m	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)
80	2.03	1.77	1.00	0.89	1.24	1.59	1.77	2.83	2.73	4.39
100	2.54	2.21	1.25	1.11	1.55	1.99	2.21	3.54	3.41	5.49
120	3.05	2.66	1.49	1.33	1.86	2.39	2.66	4.25	4.09	6.59
150	3.81	3.32	1.87	1.66	2.32	2.99	3.32	5.31	5.11	8.24
180	4.57	3.99	2.24	1.99	2.79	3.59	3.99	6.38	6.14	9.88
200	5.08	4.43	2.49	2.21	3.10	3.99	4.43	7.08	6.82	10.98
250	6.35	5.54	3.11	2.77	3.87	4.98	5.54	8.86	8.52	13.73
300	7.62	6.64	3.74	3.32	4.65	5.98	6.64	10.63	10.23	16.47

S Pro & S Smart Series																				
Screen Size 16 : 10				AL-XL036FR	AL-XL053FR	AL-XL070FR		AL-XL085FR		AL-XL110MA		AL-XL150MA		AL-XL169MA		AL-XL240LA		AL-XL380LA		
Diagonal		Screen Width	Screen Height	0.36	0.53	0.63	0.7	0.85	0.85	1.1	1.14	1.51	1.5	2.5	1.69	2.42	2.4	3.8	3.8	6.8
Unit : inch	Unit : m	Unit : m	Unit : m	Wide(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)
60.00	1.52	1.29	0.81	0.47	0.68	0.81	0.90	1.10	1.10	1.42	1.47	1.95	1.94	3.23	2.18	3.13	3.10	4.91	4.91	8.79
80.00	2.03	1.72	1.08	0.62	0.91	1.09	1.21	1.46	1.46	1.90	1.96	2.60	2.58	4.31	2.91	4.17	4.14	6.55	6.55	11.72
100.00	2.54	2.15	1.35	0.78	1.14	1.36	1.51	1.83	1.83	2.37	2.46	3.25	3.23	5.38	3.64	5.21	5.17	8.18	8.18	14.65
120.00	3.05	2.58	1.62	0.93	1.37	1.63	1.81	2.20	2.20	2.84	2.95	3.90	3.88	6.46	4.37	6.25	6.20	9.82	9.82	17.58
150.00	3.81	3.23	2.02	1.16	1.71	2.04	2.26	2.75	2.75	3.55	3.68	4.88	4.85	8.08	5.46	7.82	7.75	12.28	12.28	21.97
180.00	4.57	3.88	2.42	1.40	2.05	2.44	2.71	3.30	3.30	4.26	4.42	5.85	5.82	9.69	6.55	9.38	9.30	14.73	14.73	26.36
200.00	5.08	4.31	2.69	1.55	2.28	2.71	3.02	3.66	3.66	4.74	4.91	6.50	6.46	10.77	7.28	10.42	10.34	16.37	16.37	29.29
250.00	6.35	5.38	3.37	1.94	2.85	3.39	3.77	4.58	4.58	5.92	6.14	8.13	8.08	13.46	9.10	13.03	12.92	20.46	20.46	36.62
300.00	7.62	6.46	4.04	2.33	3.42	4.07	4.52	5.49	5.49	7.11	7.37	9.76	9.69	16.15	10.92	15.64	15.51	24.55	24.55	43.94

*The models AL-XL036FR, AL-XL053FR, AL-XL380LA are under continuous development; please consult your local sales representatives for the specific launch dates.

D Pro Series							
Screen Size 16 : 10				AL-DL062FR	AL-DL080FR	AL-DL123MA	
Diagonal		Screen Width	Screen Height	0.62	0.8	1.23	1.97
Unit : inch	Unit : m	Unit : m	Unit : m	Wide angle(m)	Wide angle(m)	Wide angle(m)	Far angle(m)
60	1.52	1.29	0.81	0.80	1.03	1.59	2.55
80	2.03	1.72	1.08	1.07	1.38	2.12	3.40
100	2.54	2.15	1.35	1.34	1.72	2.65	4.24
120	3.05	2.59	1.62	1.60	2.07	3.18	5.09
150	3.81	3.23	2.02	2.00	2.59	3.97	6.37
180	4.57	3.88	2.42	2.40	3.10	4.77	7.64
200	5.08	4.31	2.69	2.67	3.45	5.30	8.49
250	6.35	5.39	3.37	3.34	4.31	6.62	10.61
300	7.62	6.46	4.04	4.01	5.17	7.95	12.73

T Pro Series															
Screen Size 16 : 10				AL-TL089SZ		AL-TL128MA		AL-TL160LZ		AL-TL213LZ		AL-TL366LZ		AL-TL450TZ	
Diagonal		Screen Width	Screen Height	0.89	1.29	1.28	1.81	1.6	2.29	2	4	3.66	5.94	4.5	8.2
Unit : inch	Unit : m	Unit : m	Unit : m	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)	Wide(m)	Far(m)
100	2.54	2.15	1.35	1.92	2.78	2.76	3.90	3.45	4.93	4.3	8.6	7.88	12.79	9.69	17.66
120	3.05	2.59	1.62	2.30	3.33	3.31	4.68	4.14	5.92	5.18	10.36	9.46	15.35	11.63	21.20
150	3.81	3.23	2.02	2.88	4.17	4.14	5.85	5.17	7.40	6.46	12.92	11.83	19.19	14.54	26.49
180	4.57	3.88	2.42	3.45	5.00	4.96	7.02	6.20	8.88	7.76	15.52	14.19	23.03	17.45	31.79
200	5.08	4.31	2.69	3.83	5.56	5.51	7.80	6.89	9.87	8.62	17.24	15.77	25.59	19.39	35.32
250	6.35	5.39	3.37	4.79	6.95	6.89	9.75	8.62	12.33	10.78	21.56	19.71	31.99	24.23	44.16
300	7.62	6.46	4.04	5.75	8.37	8.27	11.70	10.34	14.80	12.92	25.84	23.65	38.38	29.08	52.99
400	10.16	8.62	5.39	7.67	11.11	11.03	15.59	13.79	19.73	17.24	34.48	31.53	51.18	38.77	70.65
500	12.70	10.77	6.73	9.59	13.89	13.79	19.49	17.23	24.66	21.54	43.08	39.42	63.97	48.46	88.31