



APPOTRONICS®



S Smart Series

Ignites Your Immersive Experience with Full-Color Visual

8,000~15,000lm

AL-SK15KAS / AL-SK13KAS / AL-SK10KAS / AL-SK800A
AL-SU15KAS / AL-SU13KAS / AL-SU10KAS



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

Flagship 4K+ Imaging Performance

- ▶ ALPD® 5.0 RGBX® full-color laser technology with RGB laser and phosphor light source, supporting 110% REC709 Color Gamut
- ▶ Supports 3,840×2,400@60Hz
- ▶ Native contrast ratio ≥1600:1 for deep blacks and vivid image depth
- ▶ Brightness uniformity ≥92%
- ▶ Supports HDR10

Flexible Installation Compatibility

- ▶ Supports 360° installation, easily adapting to complex applications
- ▶ Geometric correction including trapezoidal, curved surface, and multi-point calibration (up to 33×33 points)
- ▶ 9 optional lenses, throw ratios range from 0.36:1 to 6.8:1
- ▶ Supports 100~240V AC, enables operation at low voltage without brightness loss
- ▶ Super compact modular, designed for quick assembly, effortless maintenance
- ▶ Supports the NFC
- ▶ Supports both active and passive 3D formats for Immersive viewing experiences

Robust Reliability

- ▶ Multi-laser modules architecture ensures stable performance
- ▶ Fully sealed light engine design with IP5X
- ▶ Supports 20,000 hours lifespan
- ▶ Patented internal circulating cavity heat dissipation, ensuring reliable and continuous operation

APCS

- APCS: Appotronics Control Software, easily manage your projectors and enhance functionality
- ▶ Automatically detects devices on the local area network (LAN)
 - ▶ Supports RS232 and RJ45 command control
 - ▶ Supports schedule setting function
 - ▶ Powerful multi-point geometric correction
 - ▶ Real-time operational status monitoring and proactive error warnings
 - ▶ Supports firmware upgrade and configuration file import

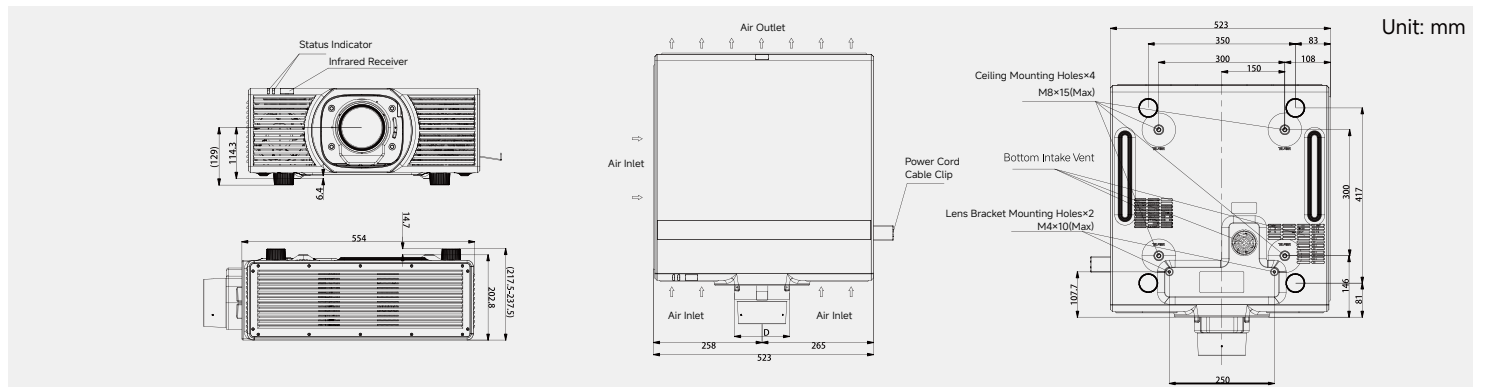
S Smart Specification

Model	AL-SK15KAS	AL-SK13KAS	AL-SK10KAS	AL-SK800A	AL-SU15KAS	AL-SU13KAS	AL-SU10KAS	
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	15,000lm/16,000lm (Center)	13,000lm/14,000lm (Center)	10,000lm/11,000lm (Center)	8,000lm/8,500lm (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 and 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 Signal: HDMI2.0×2(4K/60P); DVI-D, DP1.2 (4K/60P); HDBaseT (3,840x2,400/60P) 3D SYNC Signal: 3D SYNC in; 3D SYNC 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	100~240VAC 50/60Hz							
Power Consumption ⑤	Typical Power	1,050W	800W	700W	550W	1,050W	800W	700W
	Standby Power	0.5W						
Installation	360° Installation							
Operation Noise ⑦	40dB	38dB	37dB	35dB	40dB	38dB	37dB	
Dimensions ⑧	538mm×510mm×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.				④ Measuring conditions: In the Power Settings menu, select Power Standby ECO option, then turn off the projector into standby mode.				
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.				⑦ The test data was obtained at an ambient temperature of 25°C.				
③ The value is calculated based on the equivalent color gamut area.				⑧ Structural protrusions and lens not included.				
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				⑨ Lens not included.				
⑤ Measuring conditions: Operating on the Standard model, ambient temperature 25°C, 100~240V AC, 50/60 Hz.				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).				

Optional Lenses

Model	AL-XL036FR	AL-XL053FR	AL-XL070FR	AL-XL085FR	AL-XL110MA	AL-XL150MA	AL-XL169MA	AL-XL240LA	AL-XL380LA
Throw Ratio	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
Zoom/Focus Mode	Motorized Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus

Product Dimensions



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