



APPOTRONICS®

S Pro ^{New} Series

Defining Color Perfection

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

20,000lm



AL-SK20KAP / AL-SU20KAP



ALPD®5.0
RGBX® Full-Color Laser



4K+ (3,840×2,400)
WUXGA (1,920×1,200)



120% Rec.709, 100% DCI-P3,
90% BT.2020



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 120% Rec.709, 100% DCI-P3, and 90% BT.2020 Color Gamut
- ▶ Supports 3,840×2,400@60Hz
- ▶ Native contrast ratio ≥1600:1 for deep blacks and vivid image depth
- ▶ Brightness uniformity ≥95%
- ▶ Red ratio ≥22%, enhancing color accuracy and visual vibrancy
- ▶ Supports HDR10

Robust Reliability

- ▶ Dual HDMI ports support signal backup. If the signal from the main port is interrupted, the projector can automatically switch to the backup port signal (≤150ms) without image loss
- ▶ Multi-laser modules architecture ensures stable performance
- ▶ Fully sealed light engine design with IP5X
- ▶ Supports 20,000 hours lifespan

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 operating at low voltage without brightness loss
- ▶ Super compact modular, designed for quick assembly, effortless maintenance
- ▶ Supports both active and passive 3D formats for immersive viewing experiences
- ▶ Supports motorized mechanical shutter

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

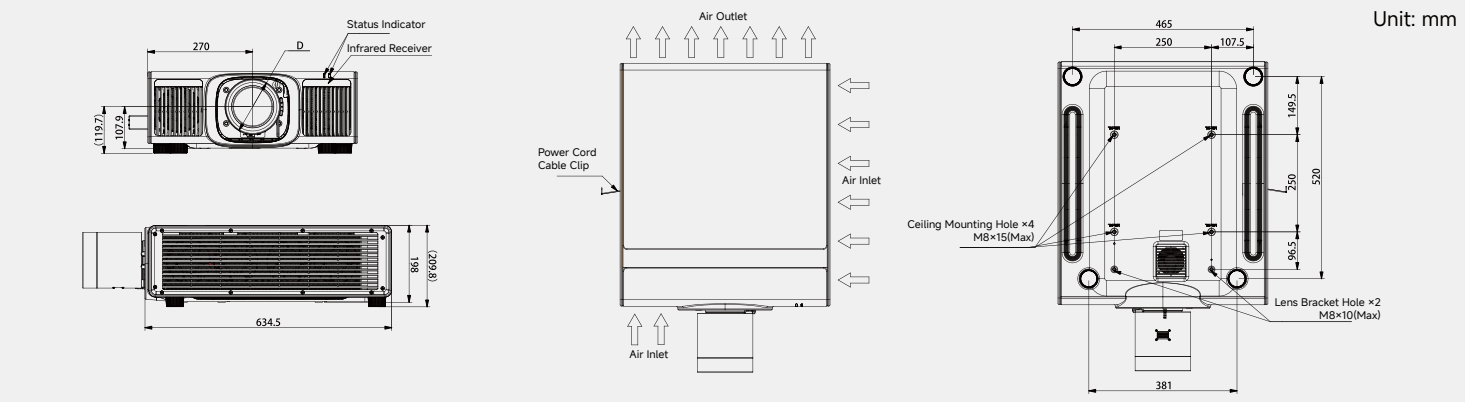
S Pro Specification

Model		AL-SK20KAP		AL-SU20KAP	
Display Technology		DLP™ chip×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)			
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 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		100~240V AC 50/60Hz			
Power Consumption	Typical Power ⑤	AC 100V~240V: 2000W			
	Standby Power ⑥	0.5W			
Installation		360° Installation			
Operation Noise ⑦		45dB (Standard)			
Dimensions ⑧		625mm×533mm×178mm (L×W×H: 24.6"× 21"×7")			
Weight ⑨		35kg (77.2lbs)			
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 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 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 the 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).					

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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