



**APPOTRONICS®**

**S Pro** New Series

# Defining Color Perfection

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

**25,000lm**



**AL-SK25KAP / AL-SU25KAP**



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

- ▶ Up to 26,000 lm, the brightest in its class for large venue excellence
- ▶ 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%
- ▶ 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
- ▶ Super compact modular, designed for quick assembly, effortless maintenance
- ▶ Supports both active and passive 3D formats for immersive viewing experiences
- ▶ Supports motorized mechanical shutter

## 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

## 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

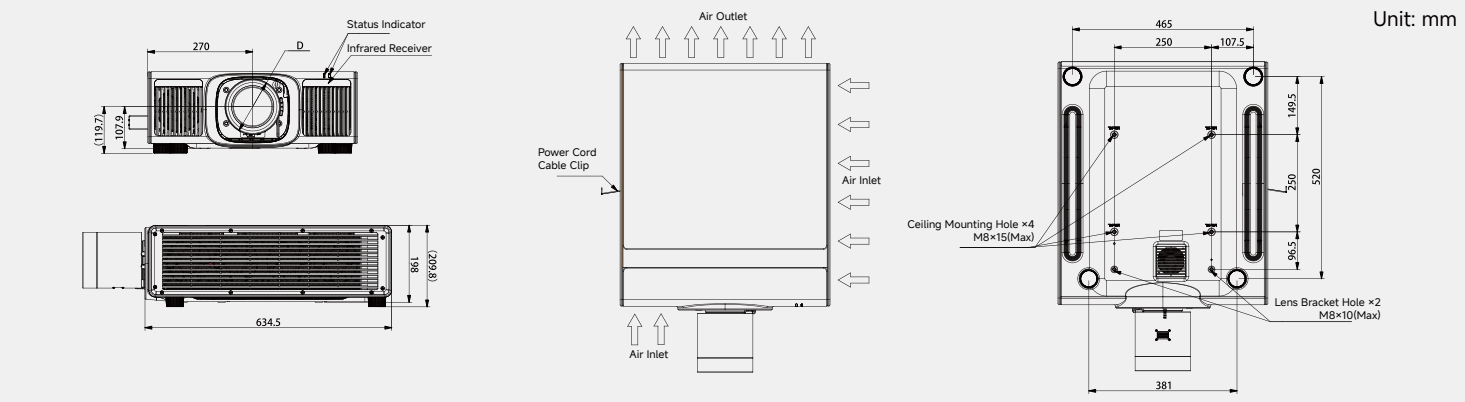
S Pro Specification

| Model                                                                                                                                                                                                      |                 | AL-SK25KAP                                                                                                                                                                                                                                                                            |                    | AL-SU25KAP                                      |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------|-------------------|
| Display Technology                                                                                                                                                                                         |                 | DLP™ chip×1, DLP™ projection system                                                                                                                                                                                                                                                   |                    |                                                 |                   |
| Panel Size                                                                                                                                                                                                 |                 | 0.8" DMD                                                                                                                                                                                                                                                                              |                    |                                                 |                   |
| Resolution                                                                                                                                                                                                 |                 | 3,840×2,400                                                                                                                                                                                                                                                                           |                    | 1,920×1,200                                     |                   |
| Brightness ①                                                                                                                                                                                               |                 | 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);<br>3D SYNC Signal: 3D SYNC in; 3D SYNC out; IR 3D out<br>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<br>12V External Power Supply Port: POWER 12V =1A                                                                                                                                                                                                            |                    |                                                 |                   |
| Power Supply                                                                                                                                                                                               |                 | 100~240V AC 50/60Hz                                                                                                                                                                                                                                                                   |                    |                                                 |                   |
| Power Consumption                                                                                                                                                                                          | Typical Power ⑤ | AC 100V~120V: 2000W ⑥                                                                                                                                                                                                                                                                 |                    | AC 200V~240V: 2200W                             |                   |
|                                                                                                                                                                                                            | Standby Power ⑦ | 0.5W                                                                                                                                                                                                                                                                                  |                    |                                                 |                   |
| Installation                                                                                                                                                                                               |                 | 360° Installation                                                                                                                                                                                                                                                                     |                    |                                                 |                   |
| Operation Noise ⑧                                                                                                                                                                                          |                 | 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.                                                                                                                                                                        |                 | ⑥ The maximum value of light output is limited to 20,000 lm or less when using the projector with AC 100V to 120V.                                                                                                                                                                    |                    |                                                 |                   |
| 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 Measuring conditions: In the Power Settings menu, select Power Standby ECO option, then turn off the projector into standby mode.                                                                                                                                                   |                    |                                                 |                   |
| ③ When DCI-P3 or BT2020 mode is selected, the brightness will decrease.                                                                                                                                    |                 | ⑧ The test data was obtained at the ambient temperature of 25°C.                                                                                                                                                                                                                      |                    |                                                 |                   |
| ④ Lens shift support:<br>AL-XL070FR, AL-XL085FR, AL-XL110MA, AL-XL150MA, AL-XL169MA, AL-XL240LA, AL-XL380LA: Vertical ±50%, Horizontal ±20%.<br>AL-XL053FR: Vertical ±20%, Horizontal ±8%. AL-XL036FR: TBD |                 | ⑨ Structural protrusions and lens not included.                                                                                                                                                                                                                                       |                    |                                                 |                   |
| ⑤ Measuring conditions: Operating on the Standard model, ambient temperature 25°C, 100~240V AC, 50/60 Hz.                                                                                                  |                 | 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). |                    |                                                 |                   |

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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