APPOTRONICS®

S Smart Series

Ignites Your Immersive Experience with Full-Color Visual

10,000~15,000lm

AL-SK15KAS / AL-SK13KAS / AL-SK10KAS
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% Rec.709 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-SU15KAS	AL-SU13KAS	AL-SU10KAS
Display Technology	DLP™ chip×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 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 (3,840×2,400/60P) 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	100~240V AC 50/60Hz					
Power Consumption — Typical Power ⑤	1,050W	800W	700W	1,050W	800W	700W
Power Consumption — 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)					

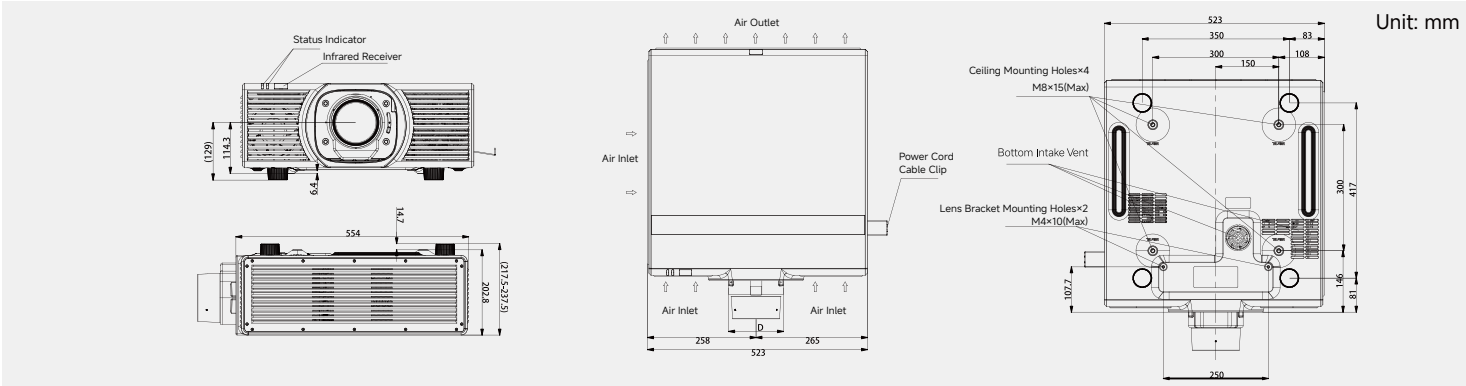
① Comply with on ISO21118 standard.
② Around this time, light output will have decreased by approximately 50%. Actual time may vary according to the operating modes, environment and other user behaviors.
③ The value is calculated based on the equivalent color gamut area.
④ Lens shift support:
AL-XL070FR, AL-XL085FR, AL-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 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).

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

Unit: mm



Appotronics Corporation Ltd.

Address: Appotronics Headquarters Tower, No. 8, Xiandong Road, Nanshan District, Shenzhen, Guangdong, China
Email: info.business@appotronics.com Web: appotronicsglobal.com