

D-SERIES



APPOTRONICS



HIGH BRIGHTNESS FIXED INSTALL PROJECTOR

Excellent Performance Incredible Value



- Superior Picture Quality
- Easy to Install
- Cinema Level Reliability
- WUXGA Resolution
- 4G Module/Wireless Control
- APCS Platform

Best Value 1-Chip DLP Laser Installation Projector

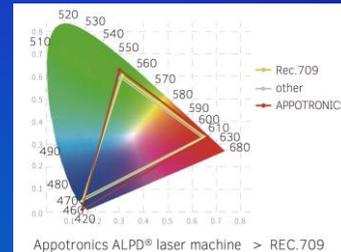
- The Signature ALPD Engine
- 7,300 – 9,300 lumens
- Red ratio above 10% to provide high saturation colors:
- New User-Friendly OSD
- Internal 4G Module
- Coverage beyond Rec 709. More accurate and stable color rendition

| TI Color Ratios Recommendation | | | |
|--------------------------------|------|---------|------|
| Color Ratios | | | |
| | Good | Medium | Fail |
| R/W | >10% | 10%-6% | <6% |
| G/W | >4% | 4%-30% | <30% |
| B/W | >3% | 3%-1% | <1% |
| C/W | >43% | 43%-31% | <31% |
| M/W | >13% | 13%-7% | <7% |
| Y/W | >80% | 80%-36% | <36% |

Red Color Ratios=6~7% Red Color Ratios around 7% Red Color Ratios around 16%

Other Laser DLP (650nm) Red Color Ratios>10%

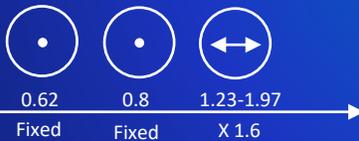
APPO Laser DLP (650nm) Dark skin Natural skin



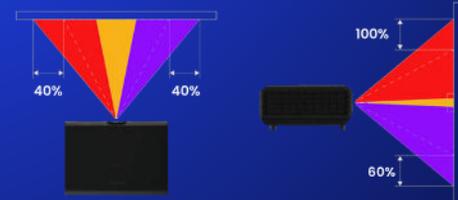
Red coordinates deviates from Rec. 709 , orangish red

Excellent Performance in Installations

- **Optional Lenses:**
Added two short-throw optional lenses to adapt to installations in smaller spaces.
- **APCS (Appotronics Projectors Control System)**
– Projector O&M, monitoring and interconnection management platform
– Free APP for computer, tablet and phone
– Management and monitor on cloud platform or app
- **Wide Range Manual Lens Shift**
H & V manual lens shift at $\pm 40\%$ (vertical) and $+100\%$, -60% (horizontal).



- **Multi-color correction provides color/brightness uniformity for any blended pictures:**
With RGBYCMW seven-axis color correction users can easily adjust the pictures to reach the desired uniformity.



- **All products support 3D**
Support infrared 3D and DLP-link 3D.

Cinema Level Reliability

- **Fully sealed optical engine with filter-free anti-dust structure**
IP5X level sealed optical engine from the light source to the core display chip area.
- **The all-new patented inner loop color-wheel cooling system**



SPECIFICATIONS

| Model | | AL-DU735A | 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) | 9,000lm/9,300lm (Center) |
| Light Source Type | | ALPD® Laser | |
| Life Source Lifetime ^⑥ | | 20,000h | |
| Contrast ^② | | 100,000 :1 | |
| Uniformity | | 90% | |
| Display Gamut | | REC.709 | |
| Lens Throw Ratio | | Powered lenses 0.62:1, 0.8:1, 1.23-1.97:1 | |
| Screen Size | | 80" ~ 300" | |
| Geometric Correction | | 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 | ≤ 600W |
| | Stand by | < 0.5W | |
| Orientation | | 360° installation | |
| Noise | | 35dB (standard mode) | |
| Structure | Measurements ^③ | 19.3" × 13.9" × 6.3" | |
| | Weight ^④ | ≤ 28.7 lbs | ≤ 30.9 lbs |
| Orientation | Temperature ^⑤ | 32°F~104°F (95°F~104°F 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 32°F~95°F when working under High Altitude Mode. Output of projector will be reduced to 50% if ambient temperature exceeds 95°F. 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.

I/O & Dimensions

