



APPOTRONICS®

C1000 Series

4K UHD Laser Projector for Home Theater



ALPD Technology



4K UHD



3,300 lumens



100% DCI-P3

Proprietary laser-phosphor technology developed by Appotronics, delivering exceptional brightness, outstanding color performance, long operational life, and superior image consistency while maintaining high energy efficiency.

Premium 4K UHD Visuals – Cinema Grade Imaging

High Laser Brightness

ALPD® laser light source delivers 3,300 ANSI lumens – bright enough for ambient light conditions, without washing out colors.

4K UHD Resolution

3840 × 2160 with advanced DMD pixel control, eliminating visible pixel grid for a smooth image.

MEMC Motion Smoothing

Supports 4K 60Hz and 1080P 120Hz motion compensation – ideal for sports and fast-action gaming without motion blur.

Wide Color Gamut

100% DCI-P3 color gamut with professional color accuracy

Advanced HDR Processing

Full HDR support including HDR10+ and HLG. Full pipeline 10-bit color depth plus dynamic tone mapping – preserves highlight details and shadow depth frame by frame.

High Native Contrast

Native contrast ≥1300:1, combined with dynamic contrast enhancement (frame-by-frame response) – deep blacks and vivid, three-dimensional image depth.

Robust Reliability – Built for Continuous Use

Long Laser Life

20,000-hour light source lifespan – no lamp replacements, minimal maintenance.

Fully Sealed Optical Engine

IP5X dust-resistant design – prevents dust blobs and brightness degradation over time.

Wide Operating Range

Temperature: 0°C to 40°C Altitude: up to 5,000m
– stable operation in high-altitude environments.

Modular Design

Easy assembly, disassembly, and serviceability – lower total cost of ownership.

Flexible Installation – Pro Grade Adaptability

Motorized Lens Options

Motorized Standard Zoom Lens: Throw Ratio: 1.0–1.6:1 Optical Zoom: 1.6x
Motorized Long Throw Lens: Throw Ratio: 1.54–2.48:1

Large Lens Shift Range

Vertical: ±50%, Horizontal: ±20% – center image placement even from off-axis installations.

360° Installation

Free orientation mounting – ceiling, floor, portrait, or angled setups.

Advanced Geometry Correction

Supports four-corner, keystone, and 9-point (curved surface) correction.

Smart Control & Integration–Centralized Device Management

Auto Device Discovery

APCS (Appotronics Control Software) enables automatic LAN device discovery and fleet management.

Industry-Standard Protocol Support

PJLink Class2 HDCP / HDR10+

Dual Command Control

Supports RS232 and RJ45 command interfaces.

Proactive Monitoring

Real-time operational status with automatic error warnings – reduce downtime.

Cinema Series – Specialized Content Optimization

Low Latency Game Mode

Optimized for fast-paced gaming – quick response, minimal input lag.

24P Cinema Playback

True 24 fps reproduction – no judder, faithful film feel.

3D Support

Compatible with active DLP Link and infrared 3D systems

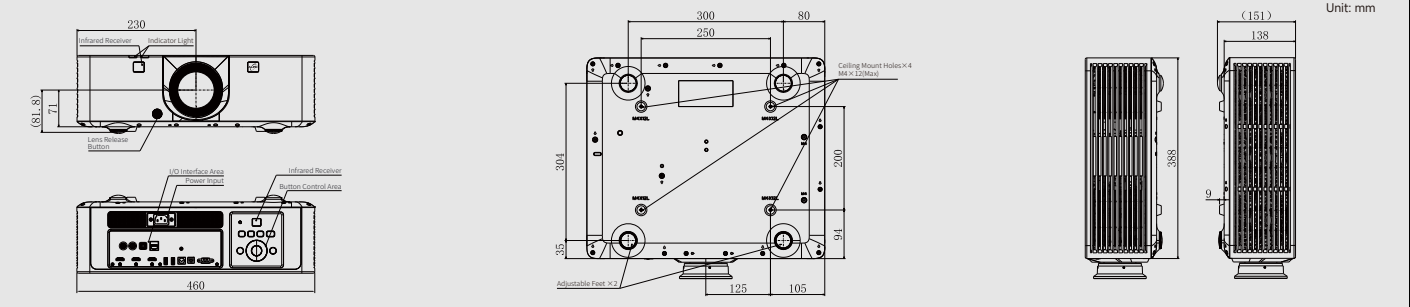
Auto Source Detection

Automatically identifies input format and switches to optimized mode – no manual setup.

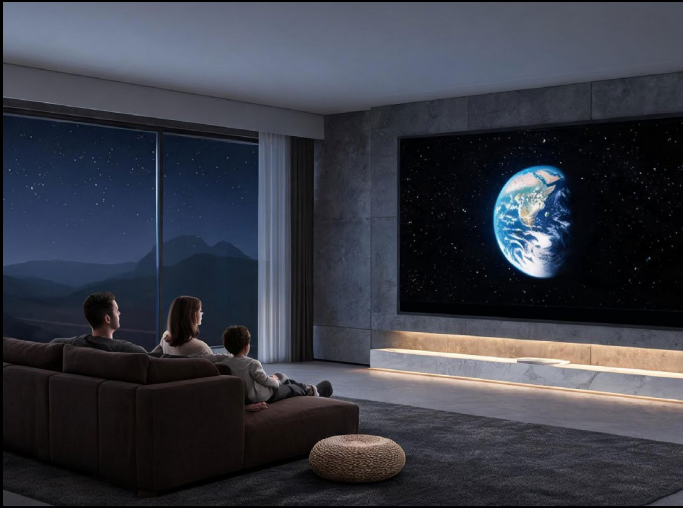
Specification

Model		C1000
Display Technology		DLP™ chip×1, DLP™ projection system
Panel Size		0.47"DMD
Resolution		3,840×2,160 4K
Brightness ①		3,300lm
Light Source Type		ALPD® Laser
Light Source Lifetime ②		20,000h
Contrast ③		Native Contrast Ratio: 1,300:1 Dynamic Contrast Ratio: 100,000:1
Uniformity		95%
Color Gamut		100% DCI-P3
Optional Lenses		Throw Ratio: 1.0–1.6:1 Optical Zoom: 1.6x Throw Ratio: 1.54–2.48:1
Screen Size		80" ~ 300"
Keystone		V: ±35°, H: ±35°, Four Points, Geometric Correction (9-Point), Multiple Points
Lens Shift		V: ±50%, H: ±20%, Motorized
Input Resolution		Supports 4K 60Hz and 1080P 120Hz
Port	Video	HDMI in ×2; HDMI out ×1; USB-A×2 (5V ≐ 2A)
	Audio	S/PDIF×1
	Control	LAN(RJ45)×1; RS232(DB9)×1; 3D SYNC×2(in/out); 3D IR OUT×1; USB-B×1
Power Supply		100–240V AC, 50/60Hz
Consumption	Standard	550W
	Stand by	<0.5W
Orientation		360°
Noise		36dB
Structure	Measurements ④	460×388×138mm
	Weight ⑤	12.5kg
Working Environment	Temperature ⑥	0°C~40°C (35°C~40°C Eco Mode)
	Humidity	10%~85% (No Condensation)
Function	HDR	HDR 10+; HLG
	CEC	Support
	ARC	Support
	Control Command	RS232; TCP/IP; PLink
	MEMC	Support 4K 60Hz and 1080P 120Hz
	3D	Vertical, Horizontal, Frame Sequential, Frame Packing
①Based on ISO21118 standard. ②The 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. ③Full white/full black. ④Not including protruding parts. ⑤Lens is not included. ⑥Operation 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.		

Product dimensions



Home Theater & Entertainment



Home Cinema



Esports & Gaming

Immersive Experiences



Houses of Worship



Digital Art Installations

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