

acer

# PURE LASER COLOR IN TURE 4K



## Acer HL1820

Superior RGB Laser Lighting

4K UHD Resolution

1.6X zoom ratio

1080p 240Hz, Low input lag 4.2ms



\* Specification may vary depending on model/or region.

## Product Specification

<b>Model name</b>	<b>Acer HL1820</b>
<b>Display panel</b>	0.65" DMD
<b>Resolution</b>	4K UHD (3,840 x 2,160)
<b>Brightness</b>	5500 RGB Laser Lumens 2,000 ANSI Lumens (Standard), 1,600 ANSI Lumens (ECO) (Compliant with ISO 21118 standard)
<b>Light source</b>	RGB Laser
<b>Aspect ratio</b>	16:9 (Native), 4:3 (Supported)
<b>Dynamic Contrast Ratio</b>	3,500,000:1 Dynamic Black
<b>Throw Ratio</b>	1.4~2.24 (60"@1.86m)
<b>Zoom ratio</b>	1.6X
<b>Lamp life</b>	20,000 Hours (Standard), 30,000 Hours (ECO)
<b>Projection lens</b>	F = 2.5 ~3.2, f = 20.91 mm ~32.62 mm Manual Zoom & Focus
<b>Keystone correction</b>	+/-30° (Vertical, Manual), +/-30° (Horizontal, Manual) 4-Corner adjustment
<b>Speaker</b>	15W x 1
<b>Noise level</b>	29 dBA (ECO)
<b>Input interface</b>	HDMI 2.0 (HDCP 2.2) x 2
<b>Output interface</b>	PC Audio (3.5mm mini jack) x 1 DC Out (5V/1.5A, USB Type A) x 1 DC Out (5V/0.5A, USB Type A) x 1 DC 12V out x 1
<b>Control interface</b>	USB (Type A 2.0) x 2, share output port RS232 (D-sub) x 1
<b>Dimension</b>	286 x 216 x 115.5 mm (w/ feet) (11.3" x 8.5" x 4.5")
<b>Weight</b>	2.9kg (6.4 lbs)

## Features

### Superior Lighting

- RGB Laser projection system
- Up to 50% energy saved\*

### Lifelike Image

- 4K UHD resolution
- 5500 RGB Laser lumens
- 3,500,000:1 Dynamic contrast ratio
- 106% Rec. 2020 color space
- HDR compatible
- 1080p 240Hz
- Low input lag 4.2ms

### Enhanced Usability

- 24/7 operation
- 360-degree projection
- IP6X certified

### Installation Flexibility

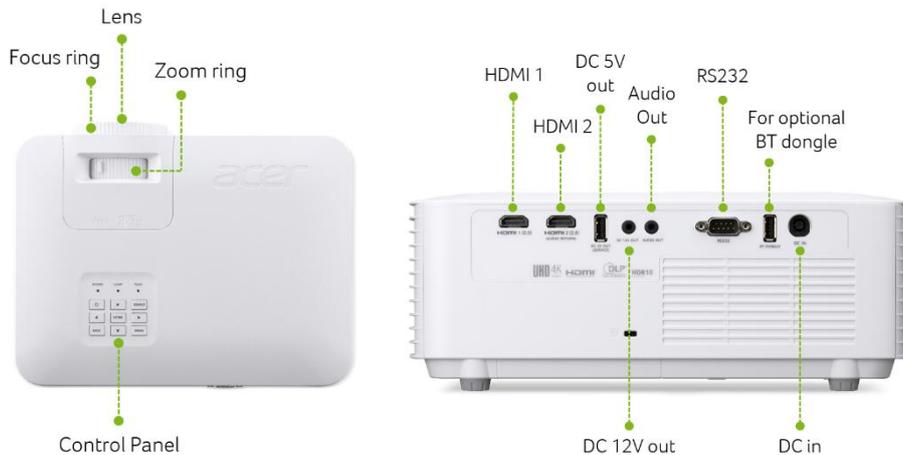
- 1.6X zoom ratio
- 2D keystone correction
- 4 corner keystone
- AC Power On

### Earthion platform

- Up to 30,000 hours lifetime
- 85% recycled paper adapted
- Mercury-free

\* Compared with lamp-based projectors with identical brightness level.

## Product View



### Optional Accessory



Ceiling Mount  
CM-01S



Ceiling Mount  
CM-02S



30000 hrs  
Laser lifespan

### RGB Laser Lighting

This projector's RGB laser uses independent red, green, and blue diodes to produce pure, precise light and accurate colors to achieve 106% of the BT.2020 spectrum. Thanks to its high efficiency, RGB Laser also consumes up to 50% less energy compared to traditional lamp-based projectors, making it a sustainable choice for premium cinematic and digital display applications.



Rec. 2020  
COMPATIBLE

### Rec. 2020

For superior color reproduction, this projector is Rec. 2020 compatible. Defined in the latest HDR specifications, Rec. 2020 reproduces a number of new tones of green and offers improvements to the number of blue and red colors. HL1820 achieve 106% of the Rec. 2020 spectrum,



24/7 Operation

### 24/7 Operation

The projector supports 24 hours-7 days of continuous projection when prolonged periods of use is required. This is especially useful for public display or museum exhibition.



Full HD  
240Hz

### 1080p 240Hz & 4.2ms Low input lag

With support for 1080p at 240Hz and ultra-low 4.2ms latency, the projector delivers smooth, responsive gameplay on the big screen. Whether you're into fast-paced action or competitive esports, it's built to elevate your gaming experience.

### About Acer

Founded in 1976, today Acer is one of the world's top ICT companies and has a presence in over 160 countries. As Acer looks into the future, it is focused on enabling a world where hardware, software and services will infuse with one another to open up new possibilities for consumers and businesses alike. From service-oriented technologies to the Internet of Things to gaming and virtual reality, Acer's 7,000+ employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. More information is at [www.acer.com](http://www.acer.com).

