

Home Cinema 2045 Wireless 3D 1080p 3LCD Projector

100" Full HD image
at 9 feet



The Full HD 1080p home theater projector with wireless streaming.

Up to 3x Higher Color Brightness, and reliable performance — 3LCD, 3-chip technology¹

One measurement of brightness is not enough — look for both high color brightness and high white brightness. The Home Cinema 2045 has:

Color Brightness: 2200 lumens²

White Brightness: 2200 lumens²

Full HD 1080p, widescreen, 3D performance — for movies, games and more, up to 300" on virtually any wall or screen

Dynamic contrast ratio — up to 35,000:1 for rich detail in dark scenes

Supports Miracast® and Intel® WiDi — wirelessly stream content from your smartphone, tablet or Windows® 8.1 laptop to your projector

Stream HD videos — supports MHL-enabled devices³, including Chromecast™, Roku Streaming Stick™⁴ and more

Innovative 3LCD technology — amazing action scenes with no rainbow effect

Smooth, crisp images — with Image Enhancement and Frame Interpolation

Built-in speaker and easy setup — for HD entertainment right out of the box



Specifications

Projection System Epson 3LCD, 3-chip technology
Projection Method Front / Rear / Ceiling mount
Product Color White and Gray
Driving Method Epson Poly-silicon TFT Active Matrix
Projected Output 2D, 3D, Full HD 1080p
Pixel Number 2,073,600 dots (1920 x 1080) x 3
Color Brightness² Color Light Output: 2200 lumens
White Brightness² White Light Output: 2200 lumens
Aspect Ratio Native 16:9 widescreen
Native Resolution Native 1080p (1920 x 1080)
Resize 16:10, 4:3
Lamp Type 200 W UHE
Lamp Life⁵ Up to 7500 hours (ECO mode) and up to 4000 hours (Normal mode)
Throw Ratio Range 1.22 (Zoom: Wide) – 1.47 (Zoom: Tele)
Screen Size (projected distance) 34" – 332" at (2.98 ft – 35.89 ft)
Keystone Correction
 Vertical: ± 30 degrees (Auto)
 Horizontal: ± 30 degrees (Slide bar)
Contrast Ratio Up to 35,000:1
Color Reproduction Full-color (up to 1.07 billion colors)
Color Processing Full 10 bits

Projection Lens

Type Optical Zoom (Manual) / Focus (Manual)
F-number 1.58 – 1.72
Focal Length 16.9 – 20.28 mm
Zoom Ratio 1.0 – 1.2 Manual

Other

Display Performance 1920 x 1080 native 1080p; HD, 2D, 3D
Color Modes Dynamic, Bright Cinema, Natural, Cinema, 3D Dynamic, 3D Cinema
Input Signal
 Composite: NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
 Component: 480i / 576i / 480p / 576p / 720p / 1080i / 1080p HDMI®: TMDS
Video Compatibility
 2D: WXGA 60Hz, WXGA, SXGA, XGA, SVGA, VGA
 3D: 720p 50/60Hz, 1080i 50/60Hz, 1080p 50/60/24Hz
Computer Compatibility PC, Mac®
Speaker 5 W mono
Media Format 16:9
Operating Temperature 41 °F to 95 °F (5 °C to 35 °C)
Power Supply Voltage 100 – 240 V AC +/-10%, 50/60 Hz
Power Consumption
 307 W Lamp on (Normal)
 231 W Lamp on (ECO)
 2.1 W Standby (Communication On)
 0.21 W Standby (Communication Off)
Fan Noise 29 – 37 dB
Country of Origin China / Philippines

Interfaces

2 HDMI (1 MHL®)
 1 RCA (composite)
 2 RCA (1 audio L/R) stereo
 1 VGA D-sub 15 pin (computer input)
 1 USB Type A



Dimensions (W x D x H)

Including Feet 11.69" x 9.65" x 4.49"
Excluding Feet 11.69" x 9.80" x 4.69"
Weight 6.9 lb

Remote Control

Features Front and rear directional
Operating Angle
 Right/left: ± 30 degrees
 Upper/lower: ± 15 degrees
Operating Distance 19.7 ft (6 m)
Parental Controls Power Button Lock/Keycheck/Child Lock
 Hinders projector from being turned on without parental supervision

Wireless (Wireless LAN)

Supported speeds
 IEEE 802.11b: 11 Mbps*
 IEEE 802.11g: 54 Mbps*
 IEEE 802.11n: 130 Mbps*
 * Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.
Supported mode Infrastructure, Access Point
Frequency type (modulations) 802.11b / g / n (2.4GHz) (DSSS/CCK, OFDM)

Wireless (Intel WiDi / Miracast)

Supported connection mode supported speeds
 IEEE 802.11n (2.4GHz): 130 Mbps**
 IEEE 802.11n (5GHz): 130 Mbps**
 ** These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.
Supported connection mode Wi-Fi Direct®
Certification Intel WiDi, Wi-Fi CERTIFIED™ Miracast
Frequency type DSSS / CCK, OFDM, MIMO-OFDM

Eco Features

RoHS compliant
 Recyclable product*
 Epson America, Inc. is a SmartWay™ Transport Partner⁷

Support

The Epson ConnectionSM
 Pre-sales support U.S. and Canada 800-463-7766
 Internet website www.epson.com
Service Programs Two-year limited warranty, Extra CareSM
 Home Service program, PrivateLine® dedicated toll-free support (U.S. and Canada only) and 90-day limited lamp warranty

What's in the Box

PowerLite® Home Cinema 2045 projector, power cord, remote control with AA batteries, CD-ROM with Users' Guide link

Ordering Information

Home Cinema 2045 projector	V11H707020
Genuine Epson lamp	V13H010L88
Replacement air filter	V13H134A32
RF 3D glasses	V12H548006
Projector ceiling mount	ELPMBPJ
Remote control	1602805
Belkin® PureAV HDMI audio video cable – 3 ft	AV22300-03
Belkin PureAV HDMI audio video cable – 6 ft	AV22300-06
Belkin PureAV HDMI audio video cable – 12 ft	AV22300-12
Belkin Pro Series VGA / SVGA cable – 6 ft	F3H982-06
Belkin Pro Series VGA / SVGA cable – 10 ft	F3H982-10
Belkin Pro Series VGA / SVGA cable – 25 ft	F3H982-25
Repair/Exchange 1-year extended service plan	EPPSNVHTRB1
Repair/Exchange 2-year extended service plan	EPPSNVHTRB2

1 Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. Leading Epson 3LCD projectors in the home entertainment segment (720p and 1080p) compared to leading 1-chip DLP projectors, based on NPDP data for June 2013 through May 2014. | 2 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | 3 Includes one Mobile High-definition Link (MHL) HDMI port. | 4 Roku Streaming Stick allows you to watch content from popular Internet streaming services. Roku's Streaming Stick only available in the U.S. | 5 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | 6 For convenient and reasonable recycling options, visit www.epson.com/recycle | 7 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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