

PowerLite[®] 720 XGA 3LCD Ultra Short-Throw Laser Display



*Product shown with
mount, sold separately.*

Interactive Laser Displays

Education

Share engaging, easy-to-read images up to 110" with this ultra short-throw classroom display.

Ultra bright — 3,800 lumens of color/white brightness¹

Large, easy-to-read images — XGA 4:3 resolution for vibrant, true-to-life displays up to 110"

Laser light source life — virtually maintenance-free 20,000-hour laser light source with no lamps to replace²

Large display size — provides a display size more than two times larger than a 75" panel when projecting at 110"

Time-saving operation — display in seconds with Instant On laser light source

Convenient ultra short-throw design — virtually eliminates shadowing

Quick and easy replacement of PowerLite 580/680 series — using existing wall mount

Built-in 5 GHz wireless — supports Miracast[®] and wireless displays via Epson iProjection[™] software to connect; display and share content simultaneously to/from up to 50 connected devices³

Built-in split screen⁴ — allows simultaneous display of up to four connected devices

Powerful 16 W speaker — fill socially distanced classrooms with rich sound



Specifications

Projection System Epson® 3LCD, 3-chip technology
Projection Method Front/rear/wall mount/table mount
Driving Method Epson Poly-Silicon TFT Active Matrix
Pixel Number 786,432 dots (1024 x 768) x 3
Color Brightness¹ Color Light Output: 3,800 lumens
White Brightness¹ White Light Output: 3,800 lumens
Aspect Ratio Supports 4:3, 16:10, 16:9*, 16:6*, 21:9*
 * With vertical image shift control within letterbox area.
Native Resolution 1024 x 768
Light Source Laser Diode
Laser Light Source Life² Up to 20,000 hours
Size (Projected) (4:3) 65" – 110"; (16:9) 60" – 101"; (16:10) 62" – 103"
Keystone Correction (Manual)
 Horizontal: ±3 degrees
 Vertical: ±3 degrees
USB Plug 'n Play Mac® OS 10.8/10.9/10.10/10.11/10.12/10.13/10.14/macOS® 10.15.x
USB Plug 'n Play for Windows® Windows 7/Windows 8/Windows 10
Contrast Ratio Up to 2,500,000:1
Color Reproduction Up to 1.07 billion colors

Wireless Specifications

Supported Security Mode
 OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP
 Supported EAP Type PEAP, PEAP-TLS, EAP-TLS, EAP-Fast
Supported Speeds:
 IEEE 802.11 b: 11 Mbps* (2.4 GHz)
 IEEE 802.11 g: 54 Mbps* (2.4 GHz)
 IEEE 802.11 n: 72.2 Mbps* (2.4 GHz)
 IEEE 802.11 a: 54 Mbps* (5 GHz)
 IEEE 802.11 n: 150 Mbps* (5 GHz)
 IEEE 802.11 b: 325 Mbps* (5 GHz)
 * Maximum speed and range is achievable when used with the same Enhanced Mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

Projection Lens

Type Manual focus
F-Number 1.6
Focal Length 3.7 mm
Throw Ratio Range (4:3) 0.32 – 0.43
Zoom Ratio Digital zoom 1.0 – 1.35x

Other

Speaker 16 W monaural
Operating Temperature 41 °F to 104 °F (0 °C to 40 °C)
Power Supply Voltage 100 V – 240 V ±10%, 50/60 Hz
Auto Power On Signal Detection on HDMI/Plug-In Detection (HDMI, USB, VGA 15 pin, BNC)
Sleep Mode Yes (with timer)
Power Consumption³
 Normal Mode: 267 W
 Quiet Mode: 206 W
 Networked Standby (Communication On): 2.0 W
 Energy Saving (Communication Off): 0.5 W
Fan Noise
 Quiet Mode: 26 dB
 Normal Mode: 36 dB
Security Kensington lock provision, security anchor bar, password-protection function

Interfaces

HDMI®: 3x (with CEC Control)
 DS 1 Computer/Component Video: 2x D-Sub 15 pin
 Composite Video: 1x RCA (Yellow)
 Audio In: 3x Mini stereo
 Audio Out: 1x Mini stereo
 Microphone In: 1x Mini stereo
 USB Connector: 2x Type A (1x USB memory/document camera; 1x supports wireless LAN module ELPAP11)
 USB Connector: 1x Type B (USB display, audio and mouse)
 Wired LAN: 1x RJ-45
 Serial: 1x RS-232c
 Monitor Out/Computer: 1x D-Sub 15 pin
 Integrated Wireless LAN: Wireless 802.11 b/g/n (2.4 GHz), 802.11 a/n/ac (5 GHz)



Additional USB-A port on side of projector

Dimensions (W x D x H)

Excluding Feet 14.1" x 15.6" x 5.25"
Weight 12.5 lb

Remote Control

Features Computer, HDMI, USB, LAN, Source Search, Power, Aspect, Color Mode, Volume, E-Zoom, A/V Mute, Freeze, Menu, Auto, Enter, ESC, ID, User, Default, Home, Split
Operating Angle
 Rear: Right/left: -55 to +55 degrees, Upper/lower: +75 to +15 degrees
 Front: Right/left: -30 to +30 degrees, Upper/lower: 0 to +60 degrees
Operating Distance 19.7 ft (6 m)

Eco Features

Energy-efficient 3LCD light engine
 RoHS compliant
 Recyclable product⁶
 Epson America, Inc. is a SmartWay® Transport Partner⁷

Support

Service Programs 3-year projector limited warranty, Epson Road Service Program, dedicated toll-free support

What's in the Box

PowerLite 720 ultra short-throw laser projector, Quick Start Guide, 6' power cable, projector remote control, two (2) AA batteries (for remote), feet, password protect sticker

Ordering Information

PowerLite 720	V11HA01520
Air Filter	V13H134A60
PowerLite® Pilot™ 3 (ELPCB03)	V12H927020
Active Speakers (ELPSP02)	V12H467020
Wireless 802.11 b/g/n (2.4 GHz) and 802.11 a/n/ac (5 GHz)	V12H005A02
Ultra Short-Throw Wall Mount (ELPMB62)	V12HA06A05
DC-07 Document Camera	V12H759020
DC-13 Document Camera	V12H757020
DC-21 Document Camera	V12H758020

¹ 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. ² No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 – 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. ³ For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details. ⁴ Split Screen feature requires remote control. Consult your user manual for input combinations. ⁵ Laser light source will vary depending upon mode selected, environmental conditions and usage. Laser light source 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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eco.epson.com



Epson America, Inc.
 3131 Katella Ave., Los Alamitos, CA 9072

Epson Canada Limited
 185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

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Contact:

