

BrightLink® 685Wi WXGA 3LCD Ultra Short-throw Interactive Display



Optional wall mount not included.

Interactive Displays

Education

Pen-based WXGA ultra short-throw interactive display for classrooms.

Bright display — 3,500 lumens color/white brightness¹

Pen-based interactivity — turn almost any wall or existing whiteboard interactive; allows up to two users to write and draw at once, anywhere on the image area

Wirelessly connect up to 50 devices — simultaneously share and control content from up to four screens at once using Moderator software²; including Chromebook™, PC, Mac®, iOS® and Android™ devices

Easy content sharing — share images between the big screen and wirelessly connected mobile devices, for individualized learning³

Seamless integration with popular curriculum software — includes 1-year subscription and support for the SMART Learning Suite, featuring SMART Notebook®, SMART amp™ and SMART Lesson Activity Builder

Ultra short-throw interactive display — get a large, easy-to-read 100" image from as little as 11" away with virtually no shadow interference

Long-life, low-cost lamps — lasts up to 10,000 hours in ECO Mode⁴

DuoLink — install two BrightLink displays side-by-side to create one seamless interactive surface⁵

3x Higher Color Brightness⁶, and reliable performance — 3LCD, 3-chip technology



BrightLink® 685Wi WXGA 3LCD Ultra Short-throw Interactive Display

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 1,024,000 dots (1280 x 800) x 3
Color Brightness¹ Color Light Output: 3,500 lumens
White Brightness¹ White Light Output: 3,500 lumens
Interactive Color Brightness¹ Color Light Output: 3,500 lumens
Interactive White Brightness¹ White Light Output: 3,500 lumens
Aspect Ratio 16:10
Native Resolution 1280 x 800 (WXGA)
Lamp Type 250 W UHE
Lamp Life²
 ECO Mode: Up to 10,000 hours
 Normal Mode: Up to 5,000 hours
Size (Projected) (4:3) 53" – 88"; (16:10) 60" – 100"; (16:9) 59" – 97"
Keystone Correction (Manual) Horizontal: ±3 degrees; Vertical: ±3 degrees
USB Plug 'n Play Mac OS® 10.7/10.8/10.9/10.10/10.11/macOS™ 10.12.x
USB Plug 'n Play for Windows® Windows Vista®/Windows 7/Windows 8/Windows 10
Contrast Ratio Up to 14,000:1
Color Reproduction Up to 1 billion colors

Projection Lens

Type Manual focus
F-number 1.6
Focal Length 3.7 mm
Throw Ratio Range (16:10) 0.28 – 0.37, (4:3) 0.33 – 0.45, (16:9) 0.28 – 0.37
Zoom Ratio Digital zoom: 1.0 – 1.35x

Other

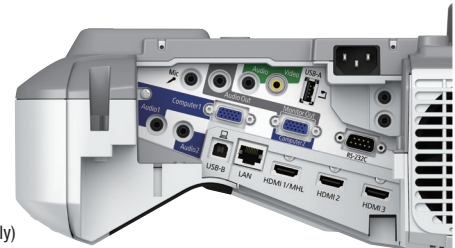
Display Performance
 NTSC: 480 lines
 PAL: 576 lines (Depends on observation of the multi-burst pattern)
Input Signal NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM
Speaker 16 W monaural
Operating Temperature 41 ° to 104 °F (5 ° to 40 °C)
Power Supply Voltage 100 – 240 V ±10%, 50/60 Hz
Power Consumption
 373 W
 2.2 W Standby (Communication On)
 0.23 W Standby (Communication Off)
Fan Noise
 ECO Mode: 29 dB
 Normal Mode: 35 dB
Security Kensington lock provision, security anchor bar, Password Protection function

Interactivity

Interactive Technology Infrared, 850 nm
Interactive Area (Image Size) 60" – 100" diagonal (16:10, WXGA)
Interactive Modes Computer Interactivity/Input, PC-free with Whiteboard Annotation, Pen: Dual User
PC-free Annotation Dual user
Interactive Tools Epson Easy Interactive Tools, Dual User
PC Interactive Sources USB, HDMI, Computer 1, Computer 2, LAN
PC-free Annotation Devices Document Cameras, DVD/Blu-ray Disc® player, iPod®/iPad® devices, Chromebooks

Interfaces

2x HDMI®
 1x HDMI/MHL®
 Computer/Component video: 1x D-sub 15 pin
 Composite video: 1x RCA (Yellow)
 Audio in: 3x Mini stereo
 USB connector: 1x Type B (USB display, audio interactivity and mouse control)
 USB connector: 1x Type A (USB memory/document camera)
 1x RJ-45
 Serial: 1x RS-232C
 Monitor Out/Computer 2: 1x D-sub 15 pin
 Audio Out: 1x Mini stereo
 Microphone: 1x Mini stereo
 Wireless LAN port: 802.11 b/g/n (optional – module sold separately)
 Interactive Synchronization Mini stereo In
 Interactive Synchronization Mini stereo Out



Interactivity (continued)

Calibration Method Automatic or Manual
Interactive Connectivity USB cable for non-networked
Interactive Software Requirements
 Epson Easy Interactive Driver (Mac and PC — required for DuoLink); Windows and Linux: driver required
 Mac: Mac OS X® 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x
 Epson Easy Interactive Tools for Windows and Mac
System Compatibility
 Microsoft® Windows Vista, Windows Vista SP1, Windows Vista SP2 (All editions except for Starter), Windows 8/8.1, Windows 10, Windows 7 SP1 (All editions except for Starter)
 Mac OS 10.7/10.8/10.9/10.10/10.11/macOS 10.12.x
SMART Learning Suite System Requirements
Supported Operating Systems
 Windows 7 SP1, Windows 8/8.1, Windows 10, Mac OS X 10.9, 10.10, 10.11, macOS 10.12
Minimum Processor Intel Core 2 Duo
Minimum RAM 2GB (4GB for UHD displays)
Minimum Hard Disk Space 3GB (Windows); 3GB (Mac)

Interactive Input Device

Type of Interactive Input Device Digital pen
Interactive Pen Functions Mouse Functions (left and right click), Electronic Pen, LED Battery Status Indicator
Interactive Pen Power AA battery, rechargeable
Compatible Pen Battery Types Eneloop® batteries (included), Manganese dry cell, alkaline dry cell
Interactive Pen Dimensions 6.3" x 0.94" (diameter)
Interactive Pen Weight 1.1 oz (without battery)

Dimensions (W x D x H)

14.5" x 15.8" x 5.9"
Weight 12.8 lb

Remote Control

Features Computer, Video/HDMI, USB, LAN, Source Search, Power, Aspect, Color Mode, Volume, E-Zoom, A/V Mute, Freeze, Menu, Help, Auto, Enter, ESC, Pointer, Home, Split, Pen Mode, Link Menu
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

RoHS compliant
 Recyclable product³
 Epson America, Inc. is a SmartWay® Transport Partner⁴

Support

Epson ConnectionSM

Pre-sales support
 U.S. and Canada: 800-463-7766
 www.epson.com

Service Programs 2-year projector limited warranty, Epson Road Service program, PrivateLine® dedicated toll-free support and 90-day limited lamp warranty

What's in the Box

BrightLink 685Wi ultra short-throw interactive projector, Quick Start Guide, power cable, USB A/B cable, USB extender cable, electronic user manual, interactive driver for Mac and PC, Epson Easy Interactive Tools, Network Management software, projector remote control, two (2) interactive pens, pen tray, two (2) AA batteries (for interactive pens) plus battery charger, two (2) AA batteries (for remote), SMART Learning Suite redemption code

Ordering Information

BrightLink 685Wi	V11H741522
Genuine Epson Lamp	V13H010L91
Air Filter	V13H134A49
PowerLite® Pilot™ 2 (ELPCB02)	V12H614020
Active Speakers (ELPSP02)	V12H467020
Wireless 802.11b/g/n LAN Unit (ELPAP10)	V12H731P02
100" Whiteboard	V12H831000
Interactive Pen A (orange)	V12H773010
Interactive Pen B (blue)	V12H774010
Replacement Pen Tips (hard/Teflon®)	V12H775010
Replacement Pen Tips (soft/felt)	V12H776010
Ultra Short-throw Wall Mount (ELPMB46)	V12H777020

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Epson America, Inc.
 3840 Kilroy Airport Way, Long Beach, CA 90806

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

www.epson.com
www.epson.ca

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