BrightLink® 870Ei

Ultra Short Throw Interactive Display with 4K Enhancement



Product shown with mount, sold separately.

Larger-than-life interactive display up to 130"—for collaborative classrooms.

Compatible with the Epson Setting Assistant App

Download on the App Store

GET IT ON Google Play

3LCD

LASER LIGHT SOURCE

EPSON Epson Classroom Connect

Works with Apple AirPlay

Bright images for easy reading in well-lit rooms — keep students engaged thanks to 3-chip 3LCD light engine that delivers 5,000 lumens of color and white brightness[1]

Impactful images — smooth, sharp images powered by leading-edge 4Ke technology[2]—for twice the resolution of Full HD

Flexible display sizes — versatile projection technology supports variable display size up to 130"—3x larger than a 75" flat panel; ultra wide 16:6 or 21:9 display options

Designed for ease of use — intuitive, OS-agnostic UX works with existing devices and classroom applications including Google Workspace® or Microsoft 365®

Seamless casting and sharing — native built-in Apple® AirPlay®[3] and Miracast® with moderator control; wireless display from Chromebooks via Epson Classroom Connect[4]

Epson Classroom Connect[4] — free intuitive app supports wireless connectivity for up to 50 devices[5] with moderator control and file saving

Annotation made easy — auto-calibrating rechargeable stylus with thoughtfully designed charging dock supports hours of uninterrupted instruction

Device connectivity and control — HDBaseT® control panel supports USB-C charging and display for connected PCs

Built for easier installation — new wall mount and Epson Setting Assistant app[6] support one-person install; NFC[7] tag allows easy copying and transfer of projector settings for fleet installations

Network and fleet management — Wi-Fi® 6/6E with WPA3-Enterprise supports secure connectivity; Epson Projector Management Connected provides cloud fleet management

Lamp-free laser — up to 30,000-hour laser light source[8]; virtually maintenance-free with no lamps to replace

EPSON®

BrightLink® 870Ei

Specifications

Display System Epson 3-chip 3LCD technology
Display Method Ceiling/wall mount/table mount
Driving Method Epson Poly-Silicon TFT Active Matrix
Native Resolution 1080p with 4K Enhancement[2] (1920 x 1080 x 2)
Resolution on Screen 1080p x 2 (4.1 million pixels)
Pixel Number 2,073,600 pixels (1920 x 1080) x 3 chips
Color Brightness[1] Color Light Output: 5,000 lumens
White Brightness[1] White Light Output: 5,000 lumens
Aspect Ratio Supports 4:3, 16:10, 16:9, 16:6,* 21:9*
* With vertical image shift control within letterbox area.
Supported Display Size (16:9) Display only: 60" – 180"
Interactive display with interactive pen: 60" – 130"
Interactive display with touch function: 60" – 100"
Supported Display Size (21:9)
Display only: 57" – 171"
Interactive display with interactive pen: 57" – 123"
Interactive display with touch function: 57" – 110"
Keystone Correction (Manual)
Horizontal: ±3 degrees
Vertical: ±3 degrees
Contrast Ratio Up to 5,000,000:1
Color Reproduction Up to 1.07 billion colors
Illumination Technology Laser Diode
Light Source Life[8] 20,000 hours (Normal), 30,000 hours (Extended)

Wireless Specifications

Supported Security Mode
OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP
Supported EAP Type: PEAP, EAP-TLS, Simple AP (Wi-Fi Direct®): WPA2 PSK (AES)
Frequency Type Infrastructure:
802.11b/g/n/ax (2.4 GHz) (DSSS/CCK, OFDM, OFDMA)
802.11a/n/ac/ax (5 GHz) (OFDM, OFDMA)
802.11ax (6 GHz) (OFDM, OFDMA)
Wi-Fi Direct: OFDM, OFDMA
Maximum speed and range are achievable when used with the same Enhanced Mode technology. Actual data rates, features and performance may vary depending on your computer system, network hardware & configuration, and other factors.

Projection Lens

Type Manual focus
F-Number 1.60
Focal Length 3.7 mm
Throw Ratio Range (16:9) 0.25 – 0.35
Zoom Ratio Digital zoom 1.0 – 1.35x
Vertical Offset 5.2:1

Other Features

Speaker 16-watt mono
Auto Power On Signal Detection on HDMI®/Plug-in Detection (HDMI)
Sleep Mode Yes (with timer)
Fan Noise
Quiet Mode: 25 dB, Normal Mode: 32 dB
Security Kensington® lock provision, security anchor bar, password-protect function
Operating Temperature 32 ˚F – 104 ˚F (0 ˚C – 40 ˚C)
Power Supply Voltage 100 V – 240 V ± 10%, 50/60 Hz
Power Consumption
Extended Mode: 247 W
Normal Mode: 320 W
Standby (Communication On): 2.0 W
Standby (Communication Off): 0.5 W

Interfaces

HDMI: 3x (with HDCP 2.3 protection)
HDMI Out: 1x (with HDCP 2.3 protection)
HDBaseT: 1x (for included control panel only)
Audio Out: 1x Mini Stereo
Microphone In: 1x
USB Connector: 2x Type-B (1 Interactivity; 1 service)
USB Connector: 2x Type-A (USB memory/ document camera), Port 1: 5 V/2 A Power Supply
RJ45 LAN: 1x
Serial: 1x RS-232c
Integrated Wireless LAN: 802.11a/b/g/n/ac/ax
Interactive Synchronization: 1x Mini Stereo In
Interactive Synchronization: 1x Mini Stereo Out
Touch Unit Connection Port: 1x



Other Features (continued)

Apple AirPlay[3] Yes
Epson Classroom Connect[4] Yes
Epson iProjection™[4] Yes (V4)
Miracast[4] Yes
Split Screen[9] Yes (up to 2 screens)

Interactivity

Interactive Technology Infrared, 850 nm
Input Device Digital pen or finger
Number of Pens 1 pen included. Use up to 2 pens simultaneously with purchase of optional second pen
Pen Functions Mouse functions (left and right click), electronic pen, LED battery status indicator, user-selectable pen mode (blue/ gold), On/Off
Pen Specifications Size: 6.5" L x 0.63" W; Weight: 1.3 oz
Touch Points Supports up to 6 fingers simultaneously
Power USB-C rechargeable; charging time: 4 minutes for 50 minutes of use; 180 minutes for 20 hours of use
Calibration Method Automatic or Manual
Interactive Modes
Computer Interactivity, PC-Free and Whiteboard Annotation Mode; Interactive Pen: 1 pen included. Up to 2 pens can be used simultaneously with purchase of optional second pen; Finger Touch: Up to 6 points of touch
Requirements for Computer Interactivity
Connection to the Computer: Via USB cable or wired/wireless LAN
Interactive Software Requirements
Easy Interactive Driver: Required for Mac®, not required for PC or Linux®
Easy Interactive Tools 5.x: PC and Mac compatible
System Compatibility Microsoft® Windows®: 8.1, 10, 11 or later
Macintosh®: OS X® 10.12.x, 10.13.x, 10.14.x, 10.15.x or later
Ubuntu®: 16.04 LTS, 18.04 LTS, 19.04 LTS, 22.04.1 LTS, 22.04.5 LTS, 22.10 LTS

Dimensions (W x D x H)

Including Feet 14.8" x 15.6" x 6.8"
Weight 15.7 lb

Remote Control

Features Power, Source Search, HDMI/HDBaseT, Wireless, USB, Split Screen[9], Freeze, Customize, Menu, Default, ESC, Home, Volume, AV Mute, Mute, eZoom, Play/Pause, Reverse, Forward, Screen Shift
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)

Wall-Mounted Control Panel

Functions Projector On/Off, Freeze, AV Mute, Volume, USB, USB-C/HDMI 1, HDMI 2, HDMI 3, LAN
Power On/Off
Inputs Power Adapter, USB-A, USB-B, USB-C, HDMI 1, HDMI 2, USB-C pen charging, Microphone in, Aux in
Outputs HDBaseT, USB-B, Audio in, Audio out
Dimensions 7.3" H x 9.7" W x 2.4" D
Power DC 24 V power supply
Supported Distance 40 m (4k 30 fps) or 70 m (1080p[10] 60 fps) via CAT6 cable

Eco Features

Energy-efficient 3LCD light engine
RoHS compliant
End-of-life options available[11]
Epson America, Inc. is a SmartWay® Transport Partner[12]

Limited Warranty and Service

Warranty 3-year limited in the U.S. and Canada
Service Whole unit exchange, usually Next-Business-Day; toll-free telephone support, Monday through Friday
Epson Connection™
Pre-Sales Support (U.S. and Canada): 800-463-7766
Website: epson.com

Epson Preferred Plus™ Extended Service Plan[13]

1-Year Next-Business-Day Whole Unit Exchange[14]	EPPEXPF1
2-Year Next-Business-Day Whole Unit Exchange[14]	EPPEXPF2

(available for up to a total of 5 years of continuous coverage)

What's Included

BrightLink 870Ei, interactive touch module and cable (ELPFT01), 2 Touch calibration markers, 8 IR reflector strips, HDBaseT Connection/Control pad with power adapter (ELPCB04HD), 1 rechargeable interactive pen (ELPPN07), 1 soft pen tip, 1 hard pen tip, 1 Charging Pen holder (ELPPC01), 1 USB-C to USB-C pen charging cable, 6' power cable, 16' USB A/B cable, Remote control and 2 AA batteries, projector feet, Quick Start Guide, product registration sheet, warranty statement

Ordering Information

BrightLink 870Ei	V11HC03020
Air Filter	V13H134A66
PixiePlus (ELPSP10)	
DC-07 Document Camera	V12H759020
DC-13 Document Camera	V12H757020
DC-21 Document Camera	V12H758020
External Speakers (ELPSP02)	V12H467020
100" Whiteboard 16:9 Aspect Ratio	V12H006A02
Interactive Pen	V12HC50020
Replacement Pen Tips (hard/Teflon®)	V12HC88010
Replacement Pen Tips (soft/felt)	V12HC52010
Ultra Short Throw Wall Mount (ELPMB89)	V12HC54010

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** 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | **3** AirPlay requires an active network connection. Recommended wireless network connection of 25 Mbps or faster. Some apps require paid subscriptions. | **4** The projector supports direct peer-to-peer wireless casting of local content from Miracast-enabled devices or via the Epson iProjection app. Epson Classroom Connect requires that the projector and connecting devices be configured on a network, either through the Ethernet port on the projector or via a wireless connection. Epson Classroom Connect functionality may vary by platform. Internet connection required for downloads. Data usage fees may apply. | **5** 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 epson.com for details. | **6** Wi-Fi equipped projector and compatible device required. Internet connection required for download. | **7** NFC requires use of a device that includes NFC and may require additional software. | **8** No required maintenance for the light source for up to 30,000 hours (Extended Mode) or 20,000 hours (Normal Mode). Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 – 0.20 mg/m^3 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. | **9** Split Screen feature requires remote control. Consult your user manual for input combinations. | **10** Pixel shifting technology achieves Full HD resolution on screen. | **11** For convenient and reasonable recycling options, visit epson.com/recycle | **12** SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | **13** Product comes with a 3-year limited warranty with the option to purchase extended service plans up to a total of 5 years of continuous coverage. Extended service plan can be purchased at any time that you are covered under an Epson limited warranty or Epson extended service plan. See individual service plan for details. | **14** Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time, Monday through Friday, excluding holidays, for Next-Business-Day delivery. See limited warranty or service plan for details.

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