EB-870Ei



DATASHEET / BROCHURE



A bright, large interactive laser projector for education that enhances collaboration, visibility and engagement in any classroom.

The EB-870Ei is an ultra-short-throw projector designed for education, delivering a large, bright interactive display up to 130". With 5,000 lumens, 4KE resolution and wireless connectivity including Apple AirPlay 2[1], it supports flexible teaching styles and collaborative learning. This laser projector for classroom use offers low-maintenance and comfortable viewing.

Large, bright display for every student
The EB-870Ei interactive projector for education delivers a scalable display from 60" to 130", ensuring all students can clearly see content from any position. With 5,000 lumens brightness, it performs reliably in bright classrooms without the need to dim lights, supporting consistent learning experiences.

Detailed visuals with advanced projection technology
Featuring 3LCD technology, this 4KE resolution projector produces sharp, vibrant images with high colour brightness. This ensures text, images and video content remain clear and engaging, helping students better understand and retain information.

Seamless collaboration across multiple devices
With built-in wireless connectivity including Apple AirPlay 2[1], Miracast and Epson Classroom Connect, users can share content from laptops, tablets and smartphones. Using Epson Classroom Connect, teachers can manage contributions with moderator mode and display up to four sources simultaneously for dynamic lessons.

Intuitive interactivity with pen and touch
The included rechargeable interactive pen is designed for an improved natural writing experience, while optional finger-touch provides additional interactivity. This enables teachers and students to annotate, interact and collaborate directly on screen, making lessons more engaging.

Comfortable viewing for extended use
As a laser projector, the EB-870Ei uses reflected light rather than direct emission, reducing glare and eye strain. This creates a more comfortable viewing experience for long sessions and ensures visibility from wide viewing angles.

Complete solution for easy setup and management
When combined with the optional ELPCB04 control box, optional ELPMB89 wall mount, interactive pen and Epson software such as the Epson Setting Assistant app and the Epson Projector Configuration Tool, the EB-870Ei becomes a complete classroom solution. It simplifies installation, enables efficient configuration of multiple devices, and remains intuitive to use, making it ideal for schools and installers alike.

KEY FEATURES

- **Ultra-bright large display up to 130" for clear visibility**
  Display content clearly from any angle with a 60-130" interactive screen and 5,000 lumens brightness, ensuring visibility even in well-lit classrooms.
- **4KE resolution and 3LCD for detailed, vibrant images**
  Deliver crisp, colourful visuals with 4KE 3LCD projector technology, helping improve comprehension and student engagement.
- **Flexible wireless sharing and multi-device collaboration**
  Share content easily via Apple AirPlay 2[1] or Miracast. Epson Classroom Connect enables up to 50 users to connect and up to four sources to be displayed at a time.
- **Interactive pen and finger-touch for easy interactivity**
  Enable intuitive interaction using interactive pen or optional finger-touch, designed for smooth, natural writing and annotation.
- **Comfortable viewing from any angle and low glare**
  Projection technology offers a large display size with reduced glare and reflections from any angle, ensuring comfortable, easy viewing from anywhere in the room.
- **Complete classroom solution with tools and accessories**
  Combine with the optional ELPCB04 control box, optional ELPMB89 mount and Epson software for streamlined installation, setup, fleet management and operation.
- **Legal Statement**
  Complies with The UK Product Security and Telecommunications Infrastructure (Product Security) requirements. Epson will provide security updates for 7 years from purchase

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PRODUCT SPECIFICATIONS

TECHNOLOGY	
Projection System	3LCD Technology, RGB liquid crystal shutter
LCD Panel	0.62 inch with C2 Fine
IMAGE	
Color Light Output	5,000 Lumen- 3,600 Lumen (economy) In accordance with IDMS15.4
White Light Output	5,000 Lumen - 3,600 Lumen (economy) In accordance with ISO 21118:2020
Resolution	1080p
Resolution Enhancement	4K enhancement
Aspect Ratio	16:9
On-Screen Pixel Count	4,147,200 dots (1920 x1080x2)
Contrast Ratio	Over 5,000,000 : 1
Light source	Laser
Laser Light source	20,000 hours Durability High, 30,000 hours Durability Eco
Keystone Correction	Manual vertical: ±3 ° horizontal ±3 °
Colour Video Processing	10 Bits
2D Vertical Refresh Rate	192 Hz - 240 Hz
Colour Reproduction	Upto 1.07 billion colours
OPTICAL	
Throw Ratio	0.25 - 0.35:1
Zoom	Digital, Factor:1 - 1.35
Lens	Optical
Screen Size	60 inches - 130 inches
Projection Lens F Number	1.6
Projection Lens Focal Length	3.7 mm
Projection Lens Focus	Manual
Offset	5 : 1
CONNECTIVITY	
Interfaces	USB 2.0-A (2x), USB 2.0 Type B (Service Only), USB 2.0 Mini-B, RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11a/b/g/n/ac, Wi-Fi Direct, HDMI in (3x), HDMI out, HDBaseT, Miracast, Jack plug out, Jack plug in, Microphone input, Sync. in, Sync. out, Multi-Touch interface (optional), Apple AirPlay 2
Epson iProjection App	Ad-Hoc / Infrastructure
Network Protocol	HTTPS, IPv4, IPv6, SNMP, ESC/VP.net, PJLink
ADVANCED FEATURES	
Security	Kensington lock, Control panel lock, Password lock, Padlock, Security cable hole, Wireless LAN security, Password protection
Other features	21:9 aspect ratio support, A/V mute, Arc Correction, Auto Calibration, Auto Power On, Auto source search, Built-in speaker, CEC compatible, Digital zoom, Direct Power on/off, Document Camera Compatible, Dual Pen Support, Duolink Interactivity, Easy OSD pre-setting, Finger-touch support, Home Screen, Image Shift, Interactive Home Screen, Interactive OSD menu, Mail notification function, Network administration, OSD copy function, PC Interactive, PC free annotation, Quick Corner, Screen Mirroring, Split-Screen-Function, Ultra-wide display (16:6), Volume control, Web Control, Web Remote, Wireless LAN capable, iProjection App
Interactivity	Yes - pen
Video Color Modes	Blackboard, Cinema, Dynamic, Presentation, sRGB, DICOM SIM
Projector control	via: Crestron Integrated Partner, Extron IP Link, Extron XTP, AMX Device Discovery, Control4 Simple Device Discovery Protocol

WHAT'S IN THE BOX

- Information sheet
- Power cable
- Projector feet
- Interactive pen
- 2 x Pen tip(Teflon)
- Pen Holder/Stand
- USB cable

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PRODUCT SPECIFICATIONS

GENERAL	
Power consumption	245.2 Watt (Normal On-Mode), 205.3 Watt (Eco On-Mode), 311.9 Watt (Normal Peak-mode), 275.6 Watt (Eco Peak-Mode), 0.5 Watt (Energy saving standby)
Heat Dissipation	956.8 BTU/hour (max)
Supply Voltage	AC 100 V - 240 V, 50 Hz - 60 Hz
Product dimensions	376 x 395 x 139 mm (Width x Depth x Height)
Product weight	7.2 kg
Noise Level	Normal:33 dB (A) - Economy:25 dB (A)
Supported Temperature	Storage -10° C - 60° C
Supported Humidity	Storage 45% - 85%
Options	Air filter, Ceiling mount, Connection and control box, Document camera, External Speaker, Finger Touch Unit, Finger Touch Unit Wall Bracket, HDBaseT Transmitter, Pen tip(Felt), Pen tip(Teflon), Replacement pen tips, Safety wire set, Short throw wall mount, Visualiser camera
Loudspeaker	16 Watt
Room Type / Application	Meeting room / Classroom
Positioning	Ceiling Mounted, Wall Mounted
Colour	White
OTHER	
Warranty	60 months Carry in

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OPTIONAL ACCESSORIES

- Ultra-short-throw Wall Mount - ELPMB89
  V12HC54010
- Ultra-short-throw Wall Mount - ELPMB62
  V12HA06A06
- ELPCB04HD projector control box and USB-C docking station
  V12HC78040
- ELPFT01 - Finger Touch Unit
  V12H007A24
- ELPMB63 - Finger Touch Wall Bracket for ELPFT01
  V12HA05A09
- ELPCB04 projector control box and USB-C docking station
  V12HC49040

LOGISTICS INFORMATION

SKU	**V11HC03040**
EAN code	**8715946749648**
Country of Origin	**Philippines**

Visualizers

- ELPDC13
  V12H757040DA
- ELPDC21
  V12H758040DA
- ELPDC30
  V12HB09080
- ELPDC07
  V12H759040

For more information please contact:

Home users: 0343 90 37766
Business users*: 0871 42 37766
Republic of Ireland: 01 436 7742
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* 10p per minute plus network extras.

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