

EB-PQ2220B



Perfect for anyone needing an ultra-high resolution experience, the EB-PQ2220B is the world's most compact 20,000lm 4K projector¹.

Designed to engage and captivate audiences with ultra-high resolution, large format content, the EB-PQ2220B uses 3LCD technology to deliver outstanding colour reproduction, while Epson's patented 4K Crystal Motion technology offers stunning image quality. Affordable and energy-efficient, the projector also features interchangeable lenses, a light and compact design and extensive connectivity.

The world's smallest and lightest 20,000lm 4K projector¹

Building on the success of the EB-PU Series, the EB-PQ2220B is not only the smallest and lightest in its class, but is highly affordable, versatile, extremely energy-efficient and packed with advanced features.

A revolutionary 4K experience

Marvel at the clarity of the images produced by Epson's latest 4K technology. Combining its patented, state of the art 4K Crystal Motion, panel thermo-control and double micro-lens array technologies, Epson achieves a new benchmark in 4K image quality.

Fantastically flexible

Featuring a wide range of connectivity, including 12G SDI in/out and HDMI in/out supporting 120Hz 4K. This high brightness projector also benefits from cross-platform lens compatibility, using the same 4K lenses as the existing EB-PU Series, including the ELPLX02S zero-offset ultra-short throw lens which is perfect for immersive spaces. This projector is supplied 'body-only', allowing you to build the perfect solution for your installation.

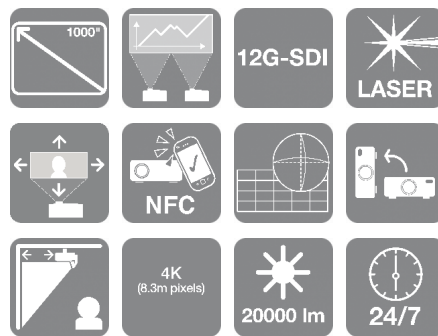
Reliable

Built for exceptional reliability, the EB-PQ2220B features IP5X rated dust resistance² and up to 20,000 hours maintenance-free operation, or even longer in extended modes.

Extensive software

Compatible with the ELPEC01 camera, Epson Projector Professional Tool and Epson Projector Config Tool for a wealth of calibration, assistance and control functionality.

DATASHEET / BROCHURE



KEY FEATURES

- **Patented 4K and imaging technology**
Outstanding 4K image quality delivers superb immersivity
- **Ultra-compact and lightweight**
The world's smallest and lightest 20,000lm 4K projector¹
- **Cross-platform lens compatibility**
Lets you build the optimal projection solution for every requirement
- **Fit-and-forget reliability**
Filter-free design and IP5X dust resistance²
- **Reduced environmental impact**
Energy-efficient with reduced requirements for packaging and transport
- **Legal Statement**
Complies with The UK Product Security and Telecommunications Infrastructure (Product Security) requirements. Epson will provide security updates for 7 years from purchase

PRODUCT SPECIFICATIONS

TECHNOLOGY

| | |
|-------------------|---------------------------------------------|
| Projection System | 3LCD Technology, RGB liquid crystal shutter |
| LCD Panel | 1.04 inch with C2 Fine |

IMAGE

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|------------------------------|------------------------------------------------------------------------|
| Color Light Output | 20,000 Lumen- 14,000 Lumen(economy) In accordance with IDMS15.4 |
| White Light Output | 20,000 Lumen - 14,000 Lumen(economy) In accordance with ISO 21118:2020 |
| Portrait Colour Light Output | 20,000 lm |
| Portrait White Light Output | 20,000 lm |
| Resolution | 4K 3840 x 2160, 8.3m pixels, 16:9 |
| Aspect Ratio | 16:9 |
| Contrast Ratio | Over 5,000,000: 1 |
| Native Contrast | 3,000: 1 |
| Light source | Laser |
| Laser Light source | 20,000 hoursDurability High, 30,000 hoursDurability Eco |
| Keystone Correction | Manual vertical: $\pm 45^\circ$, Manual horizontal $\pm 30^\circ$ |
| Colour Video Processing | 10 Bits |
| Colour Reproduction | Upto 1.07 billion colours |
| HDR support | HDR10, HLG |

OPTICAL

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|-------------------------------|----------------|
| Throw Ratio | 0.34 - 7.16:1 |
| Zoom | Motorized |
| Lens | Optical |
| Lens Shift | varies by lens |
| Screen Size | varies by lens |
| Projection Distance Wide | varies by lens |
| Projection Distance Tele | varies by lens |
| Projection Distance Wide/Tele | varies by lens |
| Projection Lens F Number | varies by lens |
| Projection Lens Focal Length | varies by lens |
| Projection Lens Focus | Motorized |
| Offset | varies by lens |
| Interchangeable Lens | Yes |
| Standard Lens | Not included |
| Mechanical shutter | Yes |

CONNECTIVITY

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|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces | USB 2.0-A (2x), USB 2.0 Type B (Service Only), RS-232C, Ethernet interface (100 Base-TX / 10 Base-T), Wireless LAN IEEE 802.11a/b/g/n (optional), HDMI in (2x), HDMI out, HDBaseT, Jack plug out, Near Field Communication (NFC), USB content playback, Remote, 12G SDI Input, 12G SDI Output |
| Network Protocol | HTTPS, IPv6, SNMP, ESC/VP.net, PJLink |

ADVANCED FEATURES

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security | Kensington lock, Control panel lock, Padlock, Wireless LAN unit lock, Wireless LAN security, Password protection |
| Other features | 21:9 aspect ratio support, A/V mute, Auto Power On, Auto source search, Direct Power on/off, Edge Blending, Frame interpolation, Freeze image, Horizontal and vertical keystone correction, Lens position memory, Long light source life, OSD copy function, Point correction, Quick Corner, Schedule Function, Web Control, Wireless LAN capable, iProjection App |
| Video Color Modes | Cinema, Dynamic, Natural, Presentation, DICOM SIM, Multi Projection, BT709 |
| Projector control | via: Crestron Integrated Partner, Extron IP Link, Extron XTP, AMX Device Discovery |
| Sealed Light Source Module | Yes, IP5X rated |
| Sealed Optical Engine | Yes, IP5X rated |

EB-PQ2220B

WHAT'S IN THE BOX

- Cable cover
- Lens connector cap
- Main unit
- Power cable
- Remote control incl. batteries
- Information sheet
- Quick Start Guide
- Document Pack

PRODUCT SPECIFICATIONS

EB-PQ2220B

GENERAL

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power consumption | 1,325 Watt (Normal On-Mode), 1,431 Watt (Normal Peak-mode), 975 Watt (Eco Peak-Mode), 0.5 Watt (Energy saving standby) |
| Heat Dissipation | 4,865 BTU/hour (max) |
| Supply Voltage | AC 100 V - 240 V, 50 Hz - 60 Hz |
| Product dimensions | 586 x 492 x 218 mm (Width x Depth x Height) |
| Product weight | 29.2 kg |
| Noise Level | Normal:48 dB (A) - Economy:39 dB (A) |
| Supported Temperature | Storage -10° C - 60° C |
| Supported Humidity | Operation 20% - 80%, Storage 10% - 90% |
| | If the projector is suspended from a ceiling or wall mount and installed in an environment with heavy oil smoke or places where oils or chemicals are volatilized, places where a lot of smoke or bubbles are used for event staging, or where aroma oils are frequently burned, it can make certain parts of our products susceptible to a material degradation which over time could break and cause the projector to drop from the ceiling. |
| | If you are concerned about the environment in which your projector is installed, or if you have any other questions, please contact our support department and they can provide additional assistance. |
| Included Software | Epson Creative Projection, Epson Projector Config Tool, Epson Projector Content Manager, Epson Projector Management, Epson Projector Professional Tool |
| Options | Camera module, Ceiling mount, Wireless LAN unit |
| Room Type / Application | Boardroom, Large Meeting Room / Auditorium, Meeting room / Classroom, Projection Mapping, Rental / Staging, Signage / Retail, Visitor Attraction |
| Positioning | Ceiling Mounted, Desktop, Floor, Flying Frame, Table Mounted, Wall Mounted |
| Colour | Black |

OTHER

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|----------|-------------------------------------------------------------|
| Warranty | 36 months Carry in Optional warranty extension available |
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OPTIONAL ACCESSORIES

- Stacking Frame - ELPMB84 - EB-PU2200 Series
V12H006AW0
- Wireless LAN Adapter - ELPAP11 (2.4GHz & 5GHz)
V12H005A01
- Camera Unit - ELPEC01
V12HA46010
- Ceiling Mount - ELPMB68
V12H006AE0
- Portrait Adaptor - ELPMB78 - EB-PU Series
V12H006AQ0
- Rail Adaptor - ELPMB85 - EB-PU Series
V12H006AX0
- Tilt Adaptor - ELPMB81 - EB-PU Series
V12H006AT0
- Stacking Frame - ELPMB59 - EB-PU2200 Series (EVO)
V12H996B59

EB-PQ2220B

LOGISTICS INFORMATION

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|-------------------|---------------|
| SKU | V11HB05880 |
| EAN code | 8715946718965 |
| Country of Origin | China |
| Layer | 1 Units |
| Layer Block | 1 Units |

For more information please contact:

Home users: 0343 90 37766
Business users*: 0871 42 37766
Republic of Ireland: 01 436 7742
Or visit us at <https://www.epson.co.uk/contactus>
* 10p per minute plus network extras.

Web: www.epson.co.uk
www.epson.ie

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1. As of January 2024. Main unit without lens. 20,000lm in accordance with ISO 21118.
2. IP5X certified in accordance with IEC Standard 60529. The IP5X certification is applied to the optical engine and light source module.
3. 4K (3840 x 2160) is the maximum physical resolution achieved using 4K Crystal Motion technology.
4. Energy efficient based on the power consumption data publicly available for comparable market leading products. Reductions in packaging and transportation requirements assumed based on physical product size and weight and/or packaging size and weight data available for comparable market leading products. As of February 2024.

EPSON[®]