EB-PQ2220B

DATASHEET / BROCHURE



EB-PQ2220B

Best for immersive 4K installations. Compact 20,000-lumen 4K 3LCD laser projector with Crystal Motion and interchangeable lenses.

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

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 projector[1]
- **Cross-platform lens compatibility**
  Lets you build the optimal projection solution for every requirement
- **Fit-and-forget reliability**
  Filter-free design and IP5X dust resistance[2]
- **Reduced environmental impact**
  Energy-efficient with reduced requirements for packaging and transport

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PRODUCT SPECIFICATIONS

EB-PQ2220B

TECHNOLOGY	
Projection System	3LCD Technology RGB liquid crystal shutter
LCD Panel	1.04 inches with C2 Fine
IMAGE	
Color Light Output	20000 Lumens - 14000 Lumens (economy)
White Light Output	20000 Lumens - 14000 Lumens (economy)
Resolution	4K 3840 x 2160, 8.3m pixels, 16:9
Contrast Ratio	5,000,000
Light Source	Laser
Laser Light source	20000 hr Durability High, 30000 hr Durability Eco
Keystone Correction	Manual vertical: 30, Manual horizontal: 45
Colour Video Processing	10 Bits Color
Colour Reproduction	Upto 1.07 billion colours
OPTICAL	
Throw Ratio	0.34 - 7.16:1
Lens	Optical
Projection Lens Focus	Motorized
CONNECTIVITY	
Interfaces	Ethernet interface (100 Base-TX / 10 Base-T) (1 x), Near Field Communication (NFC) (1 x), 12G SDI Output (1 x), Wireless LAN IEEE 802.11a/b/g/n (Optional), USB 2.0 Type B (Service Only) (1 x), 12G SDI Input (1 x), USB 2.0-A (2 x), Jack plug out (1 x), Remote (1 x), RS-232C (1 x), HDMI out (1 x), HDMI in (2 x), HDBaseT (1 x), USB content playback (1 x)
Network Protocol	HTTPS, SNMP, PJLink, IPv6, ESC/VP.net
ADVANCED FEATURES	
Security	Kensington lock, Control panel lock, Password protection, Wireless LAN security, Padlock, Wireless LAN unit lock
Other Features	21:9 aspect ratio support, A/V mute, Auto Power On, Direct Power on/off, Edge Blending, Frame interpolation, Freeze image, Horizontal and vertical keystone correction, Lens position memory, Long light source life, Point correction, OSD copy function, Quick Corner, Schedule Function, Web Control, Wireless LAN capable, Auto source search, iProjection App
Video Colour Modes	Dynamic, Natural, Presentation, BT709, Multi Projection, DICOM SIM, Cinema
Projector Control	Extron XTP, AMX Device Discovery, Crestron Integrated Partner, Extron IP Link

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PRODUCT SPECIFICATIONS

GENERAL	
Heat Dissipation	4,865 BTUperhour
Product dimensions	586 mm x 492 mm x 218 mm (Width x Depth x Height)
Supply Voltage	AC 100 V - 240 V, 50 Hz - 60 Hz
Included Software	Epson Creative Projection, Epson Projector Config Tool, Epson Projector Content Manager, Epson Projector Management, Epson Projector Professional Tool
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 %
Options	Camera module, Wireless LAN unit, Ceiling mount
Room Type / Application	Large Meeting Room / Auditorium, Meeting room / Classroom, Projection Mapping, Rental / Staging, Signage / Retail, Visitor Attraction, Boardroom
Positioning	Ceiling Mounted, Desktop, Floor, Flying Frame, Table Mounted, Wall Mounted
Colour	Black

OTHER

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

OPTIONAL ACCESSORIES

- Camera Unit - ELPEC01
  V12HA46010
- Ceiling Mount - ELPMB68
  V12H006AE0
- Lens - ELPLL08 - Long throw - EB-PU Series
  V12H004L08
- Lens - ELPLM10 - Mid throw 3 - EB-PU Series
  V12H004M0A
- Lens - ELPLM11 - Mid throw 4 - EB-PU Series
  V12H004M0B
- Lens - ELPLM15 - Mid throw - EB-PU Series
  V12H004M0F
- Lens - ELPLU03S - Short throw off axis 1 - EB-PU Series
  V12H004UA3
- Lens - ELPLU04 - Short throw off axis 2 - EB-PU Series
  V12H004U04
- Lens - ELPLW05 - Wide zoom 1 - EB-PU Series
  V12H004W05
- Lens - ELPLW06 - Wide zoom 2 - EB-PU Series
  V12H004W06