

## Sharp P721Q

Professional DLP 4K UHD Laser Projector

# Datasheet



### Sharp P721Q 4K UHD projector

Featuring crisp pixel-free 4K UHD image resolution and brightness of 7,200 ANSI lumen, the Sharp P721Q laser projector delivers exceptional image quality in perfect detail-rich clarity. Rooted in NEC's legacy of quality and projection expertise, the new Sharp-branded DLP projection family is redefining large surface visual experiences in meeting rooms, museums, and higher education establishments.

Requiring zero maintenance over a long 20,000-hour lifespan, the sealed optical engine and laser light source means filter and lamp replacement is obsolete. Professional installation capabilities achieve the finest image alignment through motorized zoom and focus, complemented by a fully motorized lens shift for precision and clarity. Highly versatile, it's easy to position the projector, simplifying installations and potentially reducing setup costs. With Risk Group 2 compliance, the new models eliminate the need for prescribed safety precautions, ensuring a safe and worry-free operating environment.

## Benefits

**Outstanding picture quality** – a whole new visualization experience with up to 4K UHD pixel-free resolution for large surface detail-rich information

**IP5X rated optical engine** – protects against dust ingress for long lasting picture quality

**Advanced Colour Sequence Management** – eliminates the colour breaking phenomena

**Professional and Flexible Installation** - versatile projection characteristics allow for simple positioning of the projector, making installation easy and potentially saving set up costs.

**No lamp replacement** - up to 20,000 h maintenance free operation possible due to Laser Light Source.

## Product Information

Product Name	Sharp P721Q
Product Group	Professional DLP 4K UHD Laser Projector
Order Code	60006067

## Image

Projection Technology	1-chip DLP™ Technology
Panel Resolution	1920 x 1080 (FHD)
Resolution	3840 x 2160 (4K UHD)
Aspect Ratio	16:9
Contrast Ratio <sup>1</sup>	3000000:1
Brightness <sup>1</sup>	7200 Lumen (approx. 60% in Eco Mode)
Lamp	Laser Light Source
Light Source Life [hrs]	20000 <sup>2</sup>
Lens	F= 2-2.4, f= 18.72-29.59 mm
Lense Adjustment	Motorized
Lens shift	H:±25, V:+55,-55
Keystone correction	+/- 40° manual horizontal / +/- 40° manual vertical
Projection Factor	1.25 - 2 : 1
Projection Distance [m]	1.6 - 8
Screen Size (diagonal) [cm] / [inch]	Maximum: 762 / 300"; Minimum: 152 / 60"
Zoom	Motorized; x1.6
Focus Adjustment	Motorized
Supported Resolutions	3840 x 2160 (Maximum resolution of digital input)

## Connectivity

Digital	Input: 1 x HDBaseT; 2 x HDMI™ supporting HDCP
Audio	Output: 1 x 3.5 mm Stereo Mini Jack (variable)
Control	Input: 1 x D-Sub 9 pin (RS-232) (male)
LAN	1 x RJ45
USB	1 x Type B (for Service); 1x Type A (USB 2.0 high speed) with 1.5A Power Supply
Video Signals	NTSC 3.58; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM

## Remote Control

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Output:	1 x 3.5 mm Stereo Mini Jack for Screen Trigger
Remote Control	Aspect Ratio; Audio Control; Auto Adjust; Eco Mode Control; Freeze-function; Help-function; ID set; Keystone Correction; Magnify-function; Page (up, down); Picture Adjust; Picture Mute; Power (On-OFF); Presentation and Mouse Control; Select (up, down, left, right); Source Select

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## Electrical

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Power Supply	100-240 V AC; 50 - 60 Hz
Power Consumption [W]	520 (Normal) / 280 (Eco) / 2 (Network Stand-by) / 0.5 (Stand-by)

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## Mechanical

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Dimensions (W x H x D) [mm]	486 x 176 x 432.5 (without lens and feet)
Weight [kg]	14.5
Fan Noise [dB (A)]	34 / 36 (Eco / Normal)
Colour Versions	White

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## Environmental Conditions

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Operating Temperature [°C]	0 to 45
Operating Humidity [%]	20 to 80
Storage Temperature [°C]	-10 to 60
Storage Humidity [%]	20 to 80

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## Ergonomics

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Safety and Ergonomics	CE; EAC; ErP; RoHS; TUEV Type Approved
Speakers [W]	2 x 10 (mono)

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## Additional Features

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Special Characteristics	3D ready; AMX Beacon; Auto Power ON/OFF; Carbon Savings Meter; Constant Brightness Mode; Control ID Function; Crestron RoomView; DICOM simulation; Free Tilt; Geometric Correction; HDBaseT; Help Function; HTTP Browser Control; IP5X/IP6X rated; Kensington security slot; Keypad Lock; Lens Memory; Light Source Adjustment; Magnify; NaViSet Administrator 2; OSD with 21 languages; Password Security System; PJ LINK; Portrait Setting; Quick Start; Sealed engine; Source Select with Beep Function; Test Pattern; Unique Power Saving Functions; USB Viewer
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## Green Features

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Ecological Materials	Downloadable manuals; ECO packaging
Ecological Standards	ErP compliant; RoHs compliant

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## Warranty

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Projectors	3 years pan-European service
Light Source	3 years or 10000h (whatever comes first)

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## Shipping Content

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Shipping Contents	2x AAA Batteries; IR Remote Control (RRMCG0002VW01); Power Cord (3 m); Projector; Quick Setup Guide; Security Sticker
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## Optional Accessories

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Optional Accessories	Universal Ceiling Mounts (PJ01UCM, PJ02UCMPF)
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<sup>1</sup> Compliance with ISO21118-2012

<sup>2</sup> 50% of initial brightness at the end of specified laser life time at 25 degree ambient temperature.

\* This product has been equipped with a laser module and is classified as Class1 of IEC60825-1 Ed3 2014 and is classified as RG2 of IEC62471-5 Ed1 2015.

DO NOT LOOK DIRECTLY INTO THE BEAM.



CE



ErP



RoHS



TUEV Type Approved

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