

## Sharp X171Q

Professional 4K+ 1DLP Laser Projector

# Datasheet



### Powerful efficiency in the sharpest detail

Projecting the sharpest detail and most life-like colours, the 4K+ X171Q laser phosphor projector features new HEP DMD technology for enhanced contrast and remarkably efficient performance.

RB laser technology is highly efficient in producing the most intensely natural tones, minimising power consumption whilst delivering brilliant colours at high brightness levels. Long lasting imaging performance is safeguarded against dust contamination with an IP6X rated sealed light engine, also minimising maintenance requirements.

Compact and light weight, yet this impressive projector delivers all the professional functionality for easy installation and precision setup. For higher education, museums and conferencing, the X171Q offers reliable long-life performance at an impressively low total cost of ownership.

### Benefits

**Finest detail** – crisp 4K+ resolution achieves perfect image clarity for easy viewing of very detailed content

**Superb image quality** – producing vivid reds, the RB laser light source delivers excellent colour performance, projecting images that are remarkably lifelike

**IP6X rated optical engine** – protects against dust ingress for long lasting picture quality

**Designed for efficiency** – the small footprint defies the high brightness delivery at low energy consumption

## Product Information

|               |                                       |
|---------------|---------------------------------------|
| Product Name  | Sharp X171Q                           |
| Product Group | Professional 4K+ 1DLP Laser Projector |
| Order Code    | 60006070 (B), 60006146 (W)            |

## Image

|                                      |                                                                                       |                                                                          |                                                          |         |
|--------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|---------|
| Projection Technology                | 1-chip DLP™ Technology                                                                |                                                                          |                                                          |         |
| Panel Resolution                     | 1920 x 1200 (WUXGA)                                                                   |                                                                          |                                                          |         |
| Resolution                           | 3840 x 2400 (4K+)                                                                     |                                                                          |                                                          |         |
| Aspect Ratio                         | 16:10                                                                                 |                                                                          |                                                          |         |
| Contrast Ratio                       | 3000000:1 (with dynamic contrast)                                                     |                                                                          |                                                          |         |
| Brightness                           | 16500 Lumen, with std. optional lense                                                 |                                                                          |                                                          |         |
| Lamp                                 | Laser Light Source                                                                    |                                                                          |                                                          |         |
| Light Source Life [hrs]              | 20000 <sup>1</sup>                                                                    |                                                                          |                                                          |         |
| Lens                                 | 6 motorized lens options                                                              |                                                                          |                                                          |         |
| Lense Adjustment                     | Motorized                                                                             |                                                                          |                                                          |         |
| Lens shift                           | H:-0.2,+0.2, V:-0.5,+0.5                                                              |                                                                          |                                                          |         |
| Keystone correction                  | +/- 36° manual horizontal / +/- 36° manual vertical                                   |                                                                          |                                                          |         |
| Projection Factor                    | depending on lens selection                                                           |                                                                          |                                                          |         |
| Projection Distance [m]              | 0.86 – 43.2                                                                           |                                                                          |                                                          |         |
| Screen Size (diagonal) [cm] / [inch] | Maximum: 1,270 / 500"; Minimum: 100 / 40"                                             |                                                                          |                                                          |         |
| Zoom                                 | Motorized                                                                             |                                                                          |                                                          |         |
| Focus Adjustment                     | Motorized                                                                             |                                                                          |                                                          |         |
| Supported Resolutions                | 1080i/50/60;<br>1080p/24/25/30/<br>50/60;<br>1920x1200<br>(WUXGA) -<br>640x480 (VGA); | 2048 x 1080<br>(2k);<br>3840 x 2160<br>(4KUHD);<br>3840 x 2400<br>(4K+); | 480i/50;<br>480p/60;<br>576i/50;<br>576p/50;<br>720p/50; | 720p/60 |

## Connectivity

|               |                                                                                                                                              |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Digital       | Input: 1 x 12G-SDI; 1 x HDBaseT; 2 x DisplayPort supporting HDCP; 2 x HDMI™ supporting HDCP<br>Output: 1 x 12G-SDI; 1 x HDMI supporting HDCP |
| Control       | Input: 1 x D-Sub 9 pin (RS-232) (male); 1 x Screen Trigger                                                                                   |
| LAN           | 1 x RJ45                                                                                                                                     |
| USB           | 1 x USB A (2A power delivery)                                                                                                                |
| Video Signals | NTSC; NTSC 4.43; PAL; PAL-M; PAL-N; PAL60; SECAM                                                                                             |

**Remote Control**

|                |                                                                                                                                                                                                                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input:         | 1 x 3.5 mm Stereo Mini Jack                                                                                                                                                                                                                                                                                                  |
| Remote Control | Auto Adjust; AV Mute; Direct Source Select; Eco Mode Control; Freeze-function; Full Lense control; Geometric Correction; ID Select; Input Control; Magnify-function; On Screen On/Off Selection; Picture Adjust; Power (On-OFF); Select (up, down, left, right); Shutter function; Test Picture; Wired / Wireless Connection |

**Electrical**

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Power Supply          | 100-240 V AC; 50 - 60 Hz                                           |
| Power Consumption [W] | 1,000 (Normal) / 900 (Eco) / 3 (Network Stand-by) / 0.5 (Stand-by) |

**Mechanical**

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Dimensions (W x H x D) [mm] | 500 x 211 x 577 (without lens and feet) |
| Weight [kg]                 | 28                                      |
| Fan Noise [dB (A)]          | 38 / 40 (Eco / Normal)                  |
| Colour Versions             | Black; White                            |

**Environmental Conditions**

|                            |           |
|----------------------------|-----------|
| Operating Temperature [°C] | 5 to 45   |
| Operating Humidity [%]     | 0 to 80   |
| Storage Temperature [°C]   | -10 to 60 |
| Storage Humidity [%]       | 0 to 90   |

**Ergonomics**

|                       |                                   |
|-----------------------|-----------------------------------|
| Safety and Ergonomics | CE; ErP; RoHS; TUEV Type Approved |
|-----------------------|-----------------------------------|

**Additional Features**

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special Characteristics | 4K/60Hz interfaces; AMX Beacon; Built-in Display/Multiscreen Splitter; Cinema Quality Picture (CQP) Processing for best image quality; Constant Brightness Mode; Crestron RoomView; DICOM simulation; Digital 3D Reform™; Direct Power-Off Function; Edge Blending Function; Edge Blending Function (Build In); Free Tilt; Geometric Correction; HDBaseT; IP5X/IP6X rated; LAN; Lens Memory; Light Source Adjustment; Manual Wall Color Correction; Multi-Screen compensation mode; NaViSet Administrator 2; OPS module support; Optional User Logo; OSD with 27 languages; Password Security System; PIP/Side by Side, HDMI - Input; PJ LINK; Portrait Setting; RS-232 Control; Sealed engine; Stacking Function; Timer-Function; Virtual Remote for direct PC control |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Green Features

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Energy Efficiency    | Laser light source                              |
| Ecological Materials | 100% recyclable packaging; Downloadable manuals |
| Ecological Standards | ErP compliant                                   |

## Warranty

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

## Shipping Content

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Shipping Contents | IR Remote Control (RD - 480E); Power Cord; Projector; Quick Setup Guide |
|-------------------|-------------------------------------------------------------------------|

## Optional Accessories

|                      |                                                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Optional Accessories | Universal Ceiling Mounts (PJ02CMPX, PJ02UCMPF)                                                                                      |
| Lenses               | XP-57UL (0.31-0.33:1); XP-58ZL (0.55-0.75:1); XP-59ZL (0.74-1.08:1); XP-60ZL (1.05-1.41:1); XP-61ZL (1.4-2.11:1); XP-62ZL (2.1-4:1) |

<sup>1</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 (changing to RG3 with the use of XP-62ZL lens.) DO NOT LOOK DIRECTLY INTO THE BEAM.



CE



ErP



TUEV Type Approved



RoHS

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