Strengthen Classroom Engagement with Digital Integration

Education is evolving quickly. Now tasked with handling a generation of digital native students who are different than any that came before, teachers and schools have their work cut out for them. Many schools are facing a transitional period in how they use technology. As the flipped classroom model becomes standard, schools will finally need to replace their old projectors with new technology. Since many schools have already adopted new display technologies, there is abundant information about which ones deliver the best results in the classroom.

As students change, so do teachers’ needs. It’s no longer enough for schools to have old technology that sits in storage and is only rolled out for the occasional presentation. Teachers nowadays need advanced tools that let them prepare materials that can be used both in class and at home on notebooks, tablets, and smartphones.

Technology, when used improperly, can be a huge interruption in class. A teacher with a typical course load will waste up to 2 hours every week because of outdated technology. Since switching between analog and digital teaching modes wastes class time and interrupts students’ focus, teachers need equipment that can support them throughout the whole class. By implementing laser projectors with interactive screens, teachers can effectively use the screen as a whiteboard to facilitate smoother classroom interaction and widen the range of learning experiences.

Digital natives, often referred to as children born from 2003 onward, learn differently than their predecessors did. First of all, they are well accustomed to getting information through digital devices. Familiar tools help them feel more comfortable in class and can lead them to higher achievement. Secondly, students nowadays have shorter attention spans than students from a decade ago. They often focus for less than 2 minutes at a time and it’s difficult to regain their attention once it’s gone, meaning up to 25% of their time in class goes to waste. Furthermore, digital natives have a preference for images over texts and they learn best from visual materials.
Three Things to Consider when Determining the Right Equipment

Using proper devices can unlock infinite possibilities in the classroom. By choosing display solutions that suit your school's classroom sizes and your teachers' needs, you'll empower your teachers to make education more fun and impactful than ever before. When discussing what display solutions to purchase, you can use the questions below as a starting point for making your choice.

Q1 Are your display solutions clear and easy to read?

The Facts

- Research shows students learn up to 26% faster in a classroom with proper lighting.
- Illegible texts take twice as long to get through.
- Students lose up to 25% of potential learning time because they're not paying attention.
- Digital natives prefer images to text. When images are of low quality, learners quickly lose interest.

Important Points to Consider

- Do teachers frequently waste time fiddling with old equipment?
- Do teachers have the tools to properly implement a flipped classroom?
- Are projectors compatible with the personal devices that teachers and students use?
- Can your projectors switch among different signal sources quickly without wasting time and losing students' attention?
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- Do teachers have the tools to properly implement a flipped classroom?
- Are projectors compatible with the personal devices that teachers and students use?
- Can your projectors switch among different signal sources quickly without wasting time and losing students' attention?

How the BenQ Education Laser Projector Can Help

- Instant power on/off
- Projection onto any surface
- Multi-touch & multi-screen drawing for enhanced interactivity
- QCast Wireless Solution for easy BYOD collaboration

Q2 Do teachers have the tools they need for smooth teaching?

The Facts

- Teachers waste 2 hours every week dealing with IT issues.
- New equipment is more user-friendly than old technology.
- Fewer IT issues means less downtime when students can get distracted.
- Smoother teaching flow means less time wasted in the classroom.

Important Points to Consider

- Do some of your students unable to join the discussion because they can’t see the screen clearly?
- Do you need display solutions that can work in many different room sizes?
- Ultra short throw projection
- Big zoom for unrivalled installation flexibility
- High brightness for clear images even in large rooms

How the BenQ Education Laser Projector Can Help

- Ultra short throw projection
- Big zoom for unrivalled installation flexibility
- High brightness for clear images even in large rooms

Q3 Are your displays optimized to help students learn?

The Facts

- Determine the ideal display solution for classrooms, lecture halls, auditoriums, or other venues depending on the size of the room and the number of students.
- In a standard classroom, students in the back may have trouble reading text on a standard 65" display.
- Ideally, a display solution should create images that are clear from the back corners of the room.
- The IEC class 1/RG2 certified laser light source can ensure user safety under all normal conditions.

Important Points to Consider

- Do some of your students unable to join the discussion because they can’t see the screen clearly?
- Do you need display solutions that can work in many different room sizes?
- Ultra short throw projection
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How the BenQ Education Laser Projector Can Help

- Ultra short throw projection
- Big zoom for unrivalled installation flexibility
- High brightness for clear images even in large rooms

In addition to the questions above, here are a few other things to consider:

- Projectors with dustproof technology can cut maintenance costs by one third.
- Laser projectors are lamp-free and can operate for 20,000 hours without requiring replacement, resulting in lower operating costs.
- DLP projectors offer long-lasting color and image quality that will improve students' learning.
Smooth Learning Without Interruptions

Long-Lasting Color & Brightness for Supreme Performance

Students who see better learn better. Harnessing the power of the BlueCore™ laser technology, BenQ education laser projectors can deliver vastly improved color saturation and brilliance when compared to lamp-based projectors of the same lumen output. Improved legibility and clearer images will boost students’ learning outcomes and provide a smoother classroom experience for everyone.

- **Instant Power On/Off**
  Effectuates Ideal Control of Class Rhythm
  Superior than conventional lamp projectors that require warm up and cool down time, BenQ education laser projectors turn on and off instantly to save valuable time for lectures and important instructional presentations.

- **Sealed Engine for Laser Light Source**
  Ensures Performance of 20,000 Hours
  With a fully sealed laser light source and an innovative sealed engine design empowered by BenQ’s Dust Guard™ technology, BenQ education projectors guarantee 20,000 hours of maintenance-free operation, which prevents extra expenses on lamp replacement and maintenance. The laser light source can resist brightness decay and make BenQ laser education projectors highly stable while ensuring high brightness performance after years of usage.

- **Sealed Laser Bank**
  Preserves Enduring High Brightness
  BlueCore™ laser diodes are fully sealed and mounted in the laser bank, completely preventing dust entry to minimize brightness decay for long-lasting high brightness.

- **IEC Class I / RG2 Standard Ensures Laser Safety under All Normal Conditions**
  BenQ education laser projectors comply with International Electro-technical Commission’s (IEC) Class I / RG2 standard. The laser beam from BlueCore™ laser diodes passes through two special diffuser lenses, converting the point light source into a surface light source, which means that they are incapable of causing damage under normal operating conditions even when the laser beam is directed into the eye.

  - RG2(Risk Group2): Hazard level associated with illumination RG2 means no out of the ordinary safety procedures are required.
Optimize Learning with Long-Lasting and Durable Brightness

Comprehensive Dustproof Solutions for Optimal Performance and Reliability

BenQ’s Dust Guard™ technology incorporates the latest sealed optical engine design, color wheel sensor, and high performance dust filters to block out up to 99% of dust and particles. Built to offer long-lasting performance, BenQ Education Laser Projectors can enhance students’ attention spans and boost teaching performance. Their sealed optical path design also guarantees superb image quality and stable operation even in dusty environments.

**Dust Filters**

Block 90% of Particles and PM2.5

BenQ Dust Guard™ employs advanced dust filters to prevent intrusion of up to 90% of PM10 level particles such as pollen and dust, tremendously improving protection in dusty environments. Certain models under Dust Guard™ go further by employing two layers of filters to block chalk residue and particles up to the level of PM2.5 without restricting air flow. For added peace of mind, BenQ education projectors possess built-in Filter Timers that can remind users to replace filters and reset them after replacement.

**Sealed Engine**

Completely Prevents Dust Entry

BenQ Dust Guard™ features a sealed optical engine that fully protects the DLP chip, color wheels, and light path components. It effectively eliminates common problems like color wheel sensor failures, visible spots on images, and color decay to significantly reduce service costs and downtime.

**Hall Sensor**

Proves Invulnerable to Dust Accumulation

BenQ Dust Guard™’s hall sensor is significantly more dust-resistant than traditional sensors, with uncompromised functionality even when levels of dust deposits are 7X* higher than normal. The hall sensor utilizes magnetic signals for timing, which is invulnerable to dust accumulation. Even in severe environments with possible dust accumulation, the hall sensor signal can still effectively distinguish colors for precise alignment and uninterrupted projection.

* When used in the same environment, the hall sensor maintains normal functionality even after having 40g of sand inside, whereas traditional sensors lose their detection capacity after having 6g of sand inside.

**Anti-Dust Accumulation Sensor**

Resists Dust Buildup

Incorporating color wheel sensors with an ingenious anti-dust accumulation feature, BenQ Dust Guard™ prolongs optimal performance by repelling dust which can accumulate on traditional sensors to block the IR signal and cause flickering, abnormal colors, or even shutdowns.

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### Dustproof Protection Rating

- **Core Technology:**
  - Expert Dustproof System with the fully sealed engine design
  - Premium Dustproof System with dust-resistant and filtering design
  - Advanced Dustproof Solution with anti-dust accumulation components

- **Corresponding Level Of Pollution:**
  - Middle to High Pollution (AQI: 150+)
  - Low to Middle Pollution (AQI: 50-150)
  - Normal Air Quality (AQI: 0-50)

- **Dustproof Protection Rating:**
  - IPSX

- **Range Of Blocked Particles:**
  - PM2.5 / Chalk Dust / Cotton Fiber / Dust / Hair
  - Cotton Fiber / Dust / Hair
  - N/A

- **Brightness & Color Performance:**
  - ★★★★★
  - ★★★★
  - ★★★

- **Image Blemish Prevention:**
  - ★★★★★
  - ★★★
  - ★★★

- **Maintenance Cost Saved:**
  - ★★★★★
  - ★★★
  - ★★★
DLP Technology for Lasting Image Quality for Today and Tomorrow

**DLP Technology Strengthens Projected Image Quality**

**Long-Lasting Picture Quality**

With a sealed engine design that protects the DLP chip from dust-induced image degradation and the industrial-grade durability of DLP projection technology, BenQ education projectors are capable of maintaining long-lasting picture quality by preventing color decay. Unlike non-DLP projectors, BenQ education projectors deliver premium picture quality equivalent to the results from brand new projectors after lamp replacement.

**High Pixel Fill Factor for a Superb Viewing Experience**

BenQ DLP projectors feature the class-leading high fill factor, minimizing black borders around each pixel to eliminate the dreaded “screen door effect” commonly observed in non-DLP projectors. BenQ education projectors produce superior definition and clarity in small-size text and fine details for beautifully rendered images instead of pixelated graphics.

**High Contrast Ratio for Crisp Readability**

Ideal for projecting text, numbers, and tables widely used in teaching materials, BenQ education projectors leverage the native DLP advantage of digitally controlled micro-mirrors on the DLP chip. By completely toggling off reflective micro-mirrors to generate deep true blacks, BenQ education projectors create high native contrast ratio for sharp readability and crisp resolution at every single sub-pixel.

**Extended Lamp Life up to 15,000 hours under Traditional Lamp Light Source**

The exclusive BenQ innovation, SmartEco™ technology, intelligently modulates light output and perfects DLP’s energy saving capabilities to increase lamp life with uncompromised brightness and exquisite picture quality. Reducing energy consumption, SmartEco™ extends lamp life up to 15,000 hours, 3X more than without SmartEco™ technology. The Eco Blank mode further increases energy saving capability by dimming lamp power automatically to lower total power by 70% when blanking the projection.

**Sharp Details in Dark Scenes**

BenQ’s exclusive SmartEco™ Technology ingeniously adjusts light output based on content, enhancing contrast to produce richer blacks and the best possible picture quality especially important for detailed and dynamic dark scenes such as astronomy courses.

**Striking Picture Performance Creates Memorable Lessons**

**Spectacular High Brightness for Bright Lecture Room**

BenQ’s education projectors produce high ANSI lumen brightness and resolution for perfect projection performance with crisp images and sharp text even in bright lecture rooms. High brightness provides clear content under high ambient lighting, allowing lights to be kept on during classes for note taking and interactive collaboration.

**Image Uniformity Enhancement**

BenQ’s next-generation Total Internal Reflection (TIR) optical architecture eliminates uneven brightness distribution of conventional projection, precisely focusing the center and corners of the image to enhance corner uniformity by 30% and even out brightness uniformity for a smooth, comfortable viewing experience.

**Exclusive SmartEco™ Technology Maximizes Smart Educational Investment**

**Geography of North America**

- America
  - North America is the third largest continent, and the United States, the second largest country in area. It contains two of the world's largest economies, those of the United States and Canada.
  - The United States is a large country, stretching from the Atlantic Ocean in the east to the Pacific Ocean in the west, as well as north to the Arctic Circle in the north and south to the Gulf of Mexico in the south.

**Image Uniformity**

- Image uniformity without TIR prism
- Image uniformity with TIR prism

THE WORLD’S NO.1 DLP BRAND
BenQ’s Projection Solutions for Every Room In School

- High brightness
- (Ultra) Short throw
- Scalable for wireless and interactive capability
- Intuitive wireless streaming with no software setup
- Powerful compatibility on any platform
- Reliably stable wireless connection
- Screen mirroring with zero software
- Smooth high definition video quality
- Efficient OTA updates

Lecture Hall
- Installation Projectors
  - Ultra high brightness
  - Big zoom
  - Flexible lens shift
  - HDBaseT compatibility
  - Comprehensive LAN control

Interactive Classroom
- (Ultra) Short Throw Projectors

Meeting Room
- Wireless Solution
  - InstaShow™
  - Intuitive wireless streaming with no software setup
  - Powerful compatibility on any platform
  - Reliably stable wireless connection

Network Projectors
- QCast Mirror
  - Screen mirroring with zero software
  - Smooth high definition video quality
  - Efficient OTA updates

Lecture Hall
- Installation Projectors

Meeting Room
- Wireless Solution

Interactive Classroom
- (Ultra) Short Throw Projectors

Network Projectors
- QCast Mirror
Spark Limitless Possibilities

Easy to integrate and extremely scalable, BenQ education laser projectors are perfect fits for interactive teaching. Smart interactive tools and intuitive setup can strengthen teacher-student collaboration and classroom engagement.

Zero Space Constraints Enable Impactful and Engaging Instruction

Ultra Short Throw Projection

BenQ ultra short throw projectors can be mounted centimeters from the wall directly above the screen, eliminating distracting shadows and glare for students and teachers to engage and collaborate freely in front of the board.

* Ultra Short Throw: available on LH890UST/ LW890UST/ LX890UST/ MW864UST/ MX863UST/ MH856UST/ MW855UST/ MX854UST/ MW843UST/ MX842UST

* Short Throw: available on LW820ST/ LX820ST/ DX825ST/ DX808ST/ LX810STD/ MW826ST/ MX825ST/ MW809ST/ MX808ST

QCast Wireless Solution Strengthens Easy BYOD Collaboration

Apart from wired MHL support, BenQ education projectors are ready for BYOD collaboration and creating more engaging lessons via QCast wireless dongle that allows up to 4 participants to stream content from smart devices or computers to the big screen, displaying them in 4 split screens.

Smart Interactive Tools Promote Collaborative Learning

Multi-Touch & Multi-Screen Drawing

With enhanced multi-touch capability for pens or fingers, two PointWrite™ projectors can be used in conjunction to double the interactive projection surface, creating vast new opportunities for interactive learning in modern digital classrooms. In QWrite Whiteboard Mode, teachers can also run different applications or display, view, and annotate across two surfaces.

Interaction on Any Surface

PointWrite™ technology transforms BenQ education projectors into collaborative platforms that turn any surface into an interactive whiteboard. Seamless integration of PointWrite™ kit and QWrite software with BenQ projectors encourages a truly collaborative learning environment where students and teachers work together using intuitive templates along with annotation tools.

Intuitive Setup

Reliably accurate in any ambient lighting, PointWrite™ auto calibrates and saves its settings immediately when plugged into a computer’s USB port, remaining ready with no manual configuration or complicated training for teachers.


QWrite Whiteboard Mode

With enhanced multi-touch capability for pens or fingers, two PointWrite™ projectors can be used in conjunction to double the interactive projection surface, creating vast new opportunities for interactive learning in modern digital classrooms. In QWrite Whiteboard Mode, teachers can also run different applications or display, view, and annotate across two surfaces.
BenQ high-lumen projectors engage students with a superior viewing experience, even in brightly lit auditoriums, seminar rooms, and lecture halls.

**High Brightness Ensures Superior Viewing Experiences in Large Venues**

BenQ high-lumen projectors engage students with a superior viewing experience, even in brightly lit auditoriums, seminar rooms, and lecture halls.

**Versatile Adjustment Features Offer Installation Flexibility**

- **Big Zoom**
  Big Zoom frees up space with an impressive range of throw distances and projects images up to 300” wide, enabling the flexibility of placing the projector anywhere without renovation or relocation of existing projector mounts.

- **Lens Shift**
  To overcome installation obstacles and minor miscalculation during projector installation, the lens shift feature comes with the flexibility to adjust image placement vertically and horizontally without having to physically move the projector.

**Comprehensive LAN Control Promises Effortless Management**

LAN control enables IT staff to manage all projectors on campus via network, allowing full control and remote maintenance directly from a central workstation.

**DICOM X-ray Imaging Diversifies Teaching Methods**

DICOM (Digital Imaging and Communication in Medicine) is a standard for handling, storing, printing and transmitting medical imaging information. The DICOM Simulation Mode is ideal for viewing grayscale medical images, such as X-rays, with an advanced grayscale level that’s ideal for training and educational purposes.

* Available on LU9235 / LX9215 / LU950

**BenQ Projection Calculator Ensures Installation Convenience and Projection Accuracy**

The BenQ Projection Calculator is a free online tool that simplifies installation by helping installers to calculate projector positioning and receive information on recommended screen and projection size, throw distance, and projector placement depending on different applications.

Visit BenQ projection calculator: [https://projectorcalculator.benq.com/](https://projectorcalculator.benq.com/)

**HDBaseT Compatibility**

The groundbreaking HDBaseT connectivity combines video, audio, and device control signals from multiple sources including PCs, laptops, document cameras, Blu-rays, and DVDs onto a single CAT5 cable. This ensures seamless transmissions up to 100 meters for efficient installation in auditoriums, gymnasiums, and large halls.

* Available on LU9235 / LX9215 / LU950
Clear, Hassle-Free Wireless Projection

- **Stunning Clarity and Ultra Quietness Create a Powerful Meeting Experience**

  Unlike noisy conventional high-brightness projectors, BenQ meeting room projectors produce up to 5,000 lumens of high brightness with minimal sound, even when they are fully powered on. Silent and brilliant, lessons will capture students’ full attention without distraction.

- **QCast Mirror Fulfills Instant Wireless Presentation with Effortless Setup**

  By mirroring the screen, QCast Mirror HDMI Wireless Dongle lets meeting participants share universal file formats wirelessly from any iOS, Android, Windows, or Mac device. It facilitates the free exchange of ideas and collaborative teamwork for highly effective meetings without any downtime for configuration.

- **Big Zoom Guarantees Ultra-High Installation Flexibility**

  Integrated big zoom capability maximizes image size in any available education space, enabling large-scale projection from a wide range of throw distances.

- **LAN Control Capability Empowers Device Control and Management**

  BenQ meeting room projectors for education support leading LAN control systems including Crestron, AMX, and PJ-Link for simple integration into campus network infrastructures, with additional RS-232 control for reliable long-distance installations of up to 15 meters.

- **Plug-and-Play Wireless Solution InstaShow™ Facilitates Wireless Presentation and Highly Interactive Group Discussion**

  Intuitive Streaming with No Software Setup

  InstaShow™ offers a natural way for up to 16 participants to start presentations without wasting valuable class time for truly collaborative learning. A single-button solution, InstaShow™ can be plugged into the source laptop and takes mere seconds to start presenting wirelessly with zero software to install or configure.

  Powerful Compatibility on Any Platform

  Class content can be freely shared on any device with a standard HDMI input, utilizing instructional content from a wide range of devices such as laptops, Blu-Ray/DVD players, Apple TV, even PS4 or Xbox.
Flexible Installation for Painless Upgrading

Streamlined Wall Mount Alignment Ensures Precise Projection

An installation chart and ruler come with wall mounts for BenQ ultra short throw projectors, offering perfect screen alignment and image position in classrooms. Even simpler, a three-way adjustment knob is located in front of the projector mount for ideal and precise projection.

Advanced Image Calibration Ensures Ideal Projection Alignment

Digital Shrink

BenQ education projectors come with the digital shrink feature that can fine-tune screen sizes and perfectly align projection on the desired frame. It facilitates simple adjustment through OSD menu to significantly save setup time and avoid the need to physically adjust projector installation.

Corner Fit Correction

Even professional installations can be challenged by restricted or uneven spaces. Corner Fit provides flexible and convenient correction of picture dimensions via individual alignment of each corner.

High System Compatibility Fulfills System Integration and Effortless Maintenance

BenQ education projectors are compatible with Creston, AMX, and PJ Link control systems for convenient system integration with various third-party devices, which helps to reduce maintenance cost via centralized management of multiple projectors.

BenQ’s MDA Software Enables Centralized Multiple Display Management

Helping IT managers efficiently perform day-to-day maintenance, the BenQ Multiple Display Administrator (MDA) software dashboard enables powerful centralized monitoring, control, and power scheduling across a school’s display network from a single computer, offering full access and control over every device directly.

BenQ MDA Software

Power On/off Task Management Identification
### Interactive Classroom

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<th>Model</th>
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<th>LW910UST</th>
<th>LX910UST</th>
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### Optical

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*Light source life will vary depending on environmental conditions and usage. Actual product’s features and specifications are subject to change without notice. ©2022 Optical. All rights reserved.*
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<td>382 x 236 x 322.8 mm (w/ mirror)</td>
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<td>Security Bar, Kensington anti-theft lock slot</td>
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*Light source life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice. **Offset is calculated by full-screen height.*
<table>
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<tr>
<th><strong>Model</strong></th>
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<th><strong>MW809ST</strong></th>
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<th><strong>DX823ST</strong></th>
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<td>DLP Single 640*480 <strong>WXGA</strong></td>
<td>DLP Single 640*480 <strong>WXGA</strong></td>
<td>DLP Single 640*480 <strong>WXGA</strong></td>
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<td>HDMI x2 (share with MHL x1)</td>
<td>HDMI x2 (share with MHL x1)</td>
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<td>PC (VGA) x2</td>
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<td>Audio In (mini jack) x2</td>
<td>Audio In (mini jack) x2</td>
<td>Audio In (mini jack) x2</td>
<td>Audio In (mini jack) x2</td>
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<td>USB (type A) x1 (power only 5V/1.5A)</td>
<td>USB (type A) x1 (power only 5V/1.5A)</td>
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**Lecture Hall**

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<th>SL1722+</th>
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| **Lecture Hall**

**Connectivity**

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**Audio**

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**Compatibility**

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**Dimension and Weight**

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**Operation Condition**

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**Accessories**

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* Lamp in this product contains mercury. Lamp life results will vary depending on environmental conditions and usage. Actual product’s features and specifications are subject to change without notice. **Offset is calculated by full-screen height.
## Meeting Room

### Model
- **LH720**
- **LV720**
- **LX720**
- **SU754**
- **SV751**

### Display
- **Resolution**: 1920x1080 pixels
- **Brightness**: 4000 Lumens
- **Contrast Ratio**: 4000:1
- **Light Source Life**: Normal 30000 hrs
- **Throw Ratio**: 1.6~2.8
- **Zoom Rate**: 1.6x
- **Offset**: 50% (Vertical) & 30% (Horizontal)

### Optical
- **Light Source**: Laser
- **Lamp Life**: 2500/3500/4500 hr (Normal/Eco/SmartEco)
- **Contrast Ratio**: 13,000:1
- **Resolution Support**: Native 16:9 (5 aspect ratio selectable)
- **Projection Offset**: 115%

### Accessories (Standard)
- **DVI (0.9mm x 15)**
- **USB (TypeA x 1, TypeB x 1)**
- **RS232 (D-sub 9pin, male) x1**
- **Audio IN (3.5mm jack) x1**
- **DC 12V Trigger (3.5mm jack) x1**

### Accessories (Optional)
- **3D Glasses (5J.J9H25.002)**
- **Spare Lamp Kit (5J.JFG05.001)**
- **Remote Control w/ Battery (RCE015)**
- **VGA (D-sub 15pin) Cable**
- **Quick Start Guide**
- **Carry Bag**

### Security
- Kensington anti-theft lock slot, Security Bar
- Kensington anti-theft lock slot, Security Bar
- Kensington anti-theft lock slot, Security Bar

### Operation
- **Temperature**: 0~40°C
- **Humidity**: 20%~80% RH

### Dimension and Weight
- **Size**: 1920 x 1200 pixels
- **Size**: 1024 x 768 pixels
- **Weight**: 5.6 kg
- **Weight**: 3.3 kg

### Special Feature
- **Meeting Room**
- **Model SX751SU754LX720LW720LH720**

### Operation
- **Power**: 480V, 50Hz, 800VA
- **Power Supply**: 24V, 150W/300W
- **Input**: 100~240V, 50Hz to 60Hz
- **Output**: 100V to 200V, 20Hz to 60Hz

### I/O Port
- **Audio IN (Mini jack)**
- **Microphone IN (Mini jack)**
- **Audio OUT (Mini jack)**
- **DC IN (20V)**
- **USB TypeA (5V, 1A)**
- **USB TypeB (5V, 2A)**

### Warranty
- **Warranty**: 3 years on parts, 1 year on labor
- **Warranty**: 3 years on parts, 1 year on labor
- **Warranty**: 3 years on parts, 1 year on labor

### Accessories
- **Power Cord (by region)**
- **Remote Control w/ Battery**
- **Carry Bag**
- **VGA (D-sub 15pin) Cable**
- **Quick Start Guide**
- **Warranty Card (by region)**

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