

# The Right Choice for Meeting Rooms and Classrooms



- From 3700 to 4200AL Brightness and exceptional 13000:1 contrast ratio
- Short throw and long throw lens for different installation possibilities\*1
- H/V keystone, corner fit and surface fit\*2 to adapt to any integration constraint
- Large choice of input connections (HDMI, VGA IN/OUT)
- 3D ready
- LAN control/LAN display/wifi display/USB reader/display/Remote desktop\*3
- Dust filter free design
- Energy saving: SmartEco, auto power off, Eco blank, 0.5W standby power consumption\*4
- Lamp life time up to 7500 hours\*5
- 6 segment color wheel for better color reproduction\*6
- Up to 20W speaker with powerful sound\*6

\*1 From 1.1:1 up to 2.3:1 according to the models (Please refer to specification)

\*2 Only available for MX768/MW769

\*3 According to the model (Please refer to specification)

\*4 Network off

\*5 Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

\*6 According to the model (Please refer to specification)



**Extron**



MX723 3700AL XGA /  
MW724 3700AL WXGA



MX768 4000AL XGA /  
MW769 4200AL WXGA



Because it matters

# Exceptional Image Quality for High-Impact Presentations

## Superior Image Quality

Up to 4200 ANSI lumen high brightness\*, it will always give you the best clarity under the brightest lights! Stay in control and enjoy perfect presentations and the best interactions with your audience; moreover, the combined expertise of BenQ's projector know-hows delivers an astounding 13000:1 contrast to significantly improve the black level for superbly rendered image definition.

\*MW769: 4200AL; MX768: 4000AL; MX723/MW724: 3700AL



High Contrast



Low Contrast

## Long-Lasting DLP Image Perfection

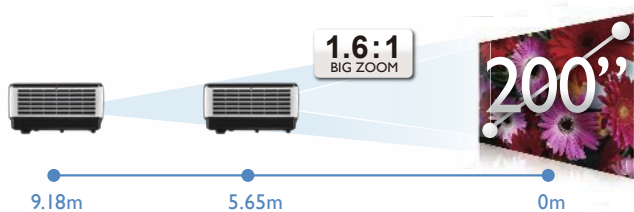
Utilizing a nearly-sealed DLP projection engine, BenQ projectors exhibit virtually no image distortion from panel aging due to heat or dust buildup. Millions of micro mirrors on the advanced DMD chip reflect pure light through the color wheel, producing precise details and intensely saturated colors without degradation over time.



## Installation Flexibility

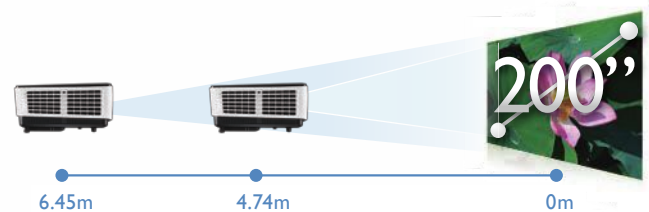
### Big Zoom for Extra Projector Installation Flexibility

MX723 (x1.6), MX768 (x1.6) and MW769 (x1.5) big zoom feature opens up space with an impressively wide range of throw distances. All you have to do is simply place the new projector right where your original ceiling mount is. Without adding projector setting re-construction costs to your budget list, you'll get to save the money for better use.



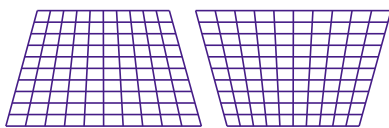
### Short Throw Zoom for Big Image in Short Distance

MW724 short throw lens (1.1-1.5:1) feature allows you to get closer to the screen and install the projector on the ceiling or on a table. You can therefore have a big image at lower distance to show clear presentations. Your room will never be too small!

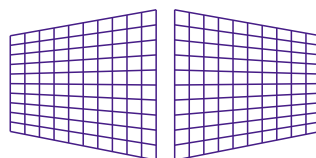


### 2D Keystone Correction, Corner Fit Correction and Surface Fit Correction\*

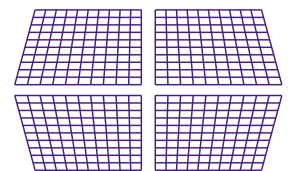
When the projector is placed off-center, the 2D keystone correction feature gives you a wider projector installation flexibility by correcting the trapezoid effect using horizontal and vertical adjustments. Moreover, Corner Fit is a flexible and convenient way to correct picture dimensions by adjusting each corner of an image independently. Surface Fit is designed to support projection on non-standard surfaces, such as concave and convex surface, opening you to more projection possibilities.



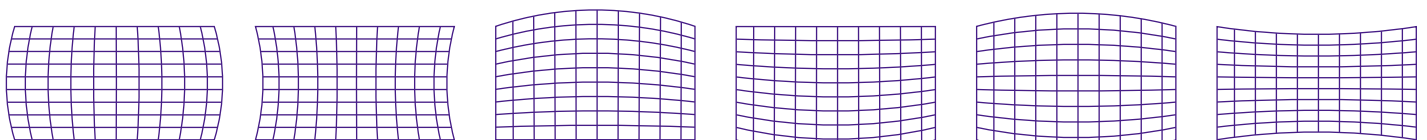
Vertical Keystone



Horizontal Keystone



Corner Fit



Surface Fit Correction

\*Only available for MX768/MW769

# Complete Remote Control and Easy Maintenance

## LAN-Based Multiple Projector Management (AMX/CRESTRON/PJ-Link/Extron)

Projector monitoring, scheduling, and management are under convenient IT manager control utilizing BenQ's intuitive interface. Compatible with PJ-Link, Crestron, and AMX control systems for convenient system integration with multiple third-party A/V components, BenQ High Brightness projectors allow remote operation and status supervision over multiple remote projectors to minimize labor cost and resources.



## Dust Filter Free Design

BenQ Projectors feature leading-edge Digital Light Processing (DLP) Technology, featuring nearly-sealed projection engines able to deliver persistent picture perfection without the hassles and costs of filters. The ability of DLP to keep heat and dust out of the engine results in long-lasting clarity without unnecessary filter replacement and cost.



## World-Leading SmartEco™ Technology for a Greener Environment

As the first DLP brand to incorporate Philips' ImageCare technology into its projector lamp system, BenQ has taken a further leap, developing its own SmartEco™ Technology to perfect what DLP can do for energy saving in any occasion. Built with this brand new invention, the BenQ projector brings together uncompromised brightness innovative features.



## Convenient Lamp Access

Top-mounted quick-release doors for lamp replacement eliminate the need to move the projector for quick, hassle-free lamp exchange. This versatility prevents the need to remove the projector from its mounting bracket in single or multiple projector installations for lamp replacement.



## Eco Blank Mode

During breaks in presentations or when the projector is not in use, Eco Blank Mode reduces power consumption by up to 70% while at the same time eliminating distractions from the inactive screen. The blanked screen refocuses the audience's attention to the presenter while conserving energy.



Full Power On  
(100% Lamp Power)



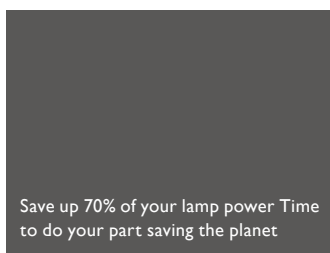
Eco Blank Mode On  
(30% Lamp Power at the Lowest)

## No Source Detected Mode

The automatic switch to Eco Blank Mode after the projector is turned on for over three minutes without a display source, eliminating unnecessary energy waste and prolonging the life of the projector lamp.



Source Detected 100% Lamp Power



Save up 70% of your lamp power Time to do your part saving the planet

No Source Detected 30% Lamp Power

## 0.5W in Standby Mode

When inactive, the BenQ projectors keep power consumption to a minimum with <0.5W standby power, achieving what was once a challenge for earlier projector models. This technological advancement in energy saving helps lower energy costs.





# Connectivity

## Advanced Connectivity

- 2x HDMI
  - it allows for simultaneous digital connection of high-definition A/V devices
- Display PC content over wired and wireless network
  - QPresenter PC software provides content streaming from PC to projector via network.



- USB reader
  - To read the file from USB memory devices with GIF, TIFF, PNG and BMP file format supported
- USB display
  - Mirror the display of your computers by connecting a USB cable from your computer to the projector without installing any drivers.

## LAN Display: Ultra-Smooth Signal for Simultaneous Image Display

LAN Display offers a cost-effective solution for projector implementation management using a single LAN cable to control and display. This feature offers one notebook to one projector projection display for better content management for discussions, presentations, training and classroom teaching.

### Benefit Highlights

- Easy installation with one LAN cable for control and display
- Partial projection display option for easy content management
- Simultaneous image display support of up to 8 projectors for special events
- 4-to-1 display convenience for meeting discussions and presentations



## Unique Features for Classrooms

### Built-in up to 20W\* Speaker Power

The BenQ projector comes with enhanced audio support for your classroom, delivering crisp-clear audio performance with built-in up to 20W\* speaker power. Now, teachers can teach with ease and students can learn more effectively.



\*MX768/MW769: 20W; MX724/MW724: 10W

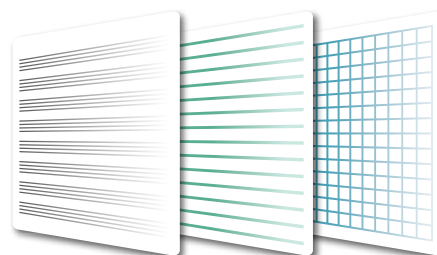
### Microphone Input Support

With the microphone input, you will no longer need to shout to get the attention of your audience. All you need to do is plug in the microphone or microphone headset to get your point across! And the built-in speaker will do the rest.



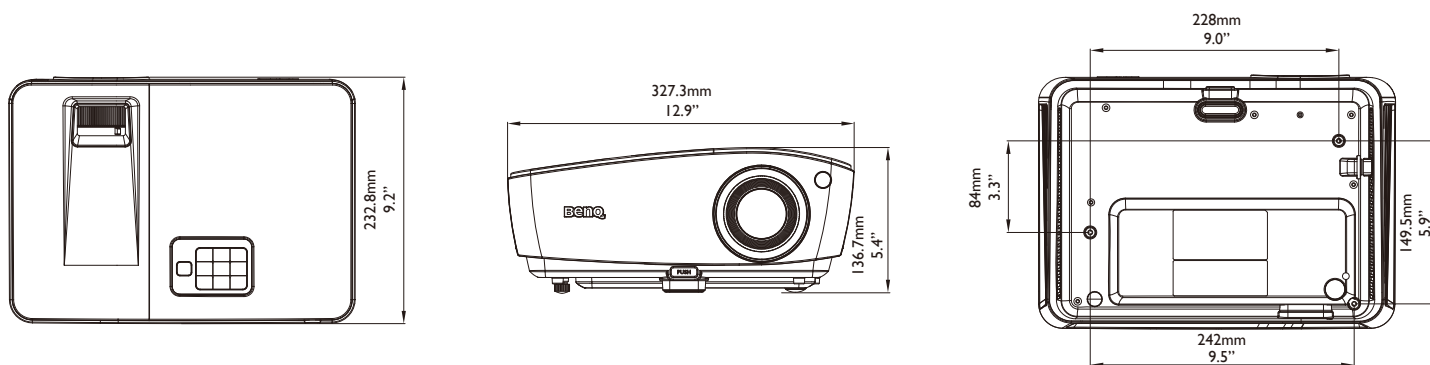
### Thoughtful Teaching Template Design\*

To make your teaching job easier, BenQ has added the teaching template function. Now, with three different line pattern designs to choose from – Letter Formation, Worksheet and Coordinate Chart, you can easily write or draw on whiteboards as well as blackboards without the need of drawing lines or charts.

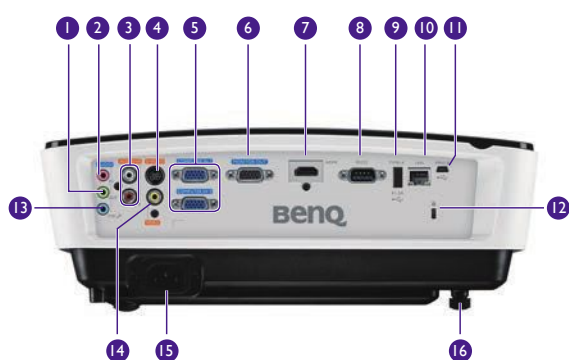


\*Only available for MX723/MW724

## Dimension – MX723/MW724

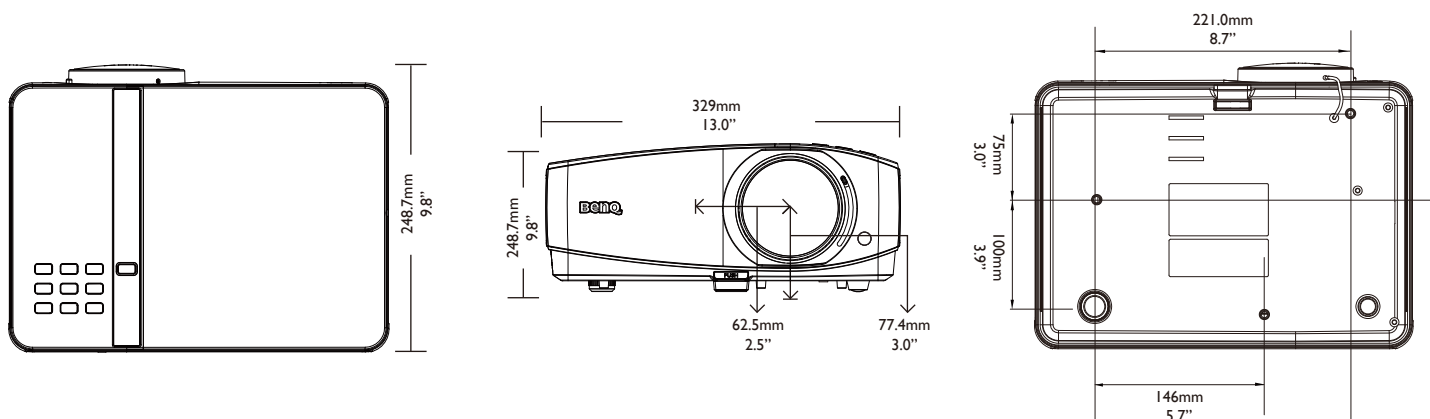


## Input and Output Terminals – MX723/MW724

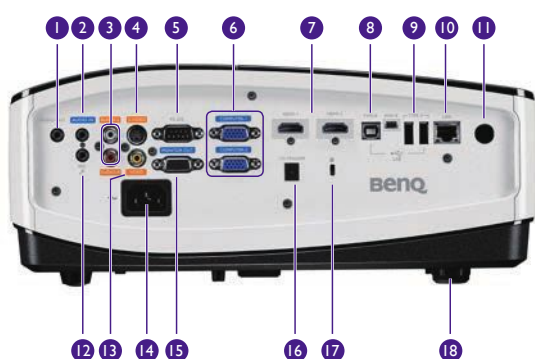


- |   |                                    |
|---|------------------------------------|
| 1 Audio output jack   | 9 USB type A/1.5A jack             |
| 2 Audio input jack  | 10 RJ45 LAN input jack             |
| 3 Audio (L/R) input jack                                    | 11 USB mini-B jack                 |
| 4 S-Video input jack  | 12 Kensington anti-theft lock slot |
| 5 RGB (PC)/Component video (YPbPr/ YCbCr) signal input jack | 13 Microphone input jack           |
| 6 RGB signal output jack                                    | 14 Video input jack                |
| 7 HDMI input jack   | 15 AC power cord inlet             |
| 8 RS-232 control port                                       | 16 Rear adjuster foot              |

## Dimension – MX768/MW769



## Input and Output Terminals – MX768/MW769



- |   |  |
|---|--|
| 1 Audio output jack   | 11 Rear IR remote sensor   |
| 2 Audio input jack  | 12 Microphone input jack   |
| 3 Audio (L/R) input jack                                    | 13 Video input jack  |
| 4 S-Video input jack  | 14 AC power cord inlet   |
| 5 RS-232 control port                                       | 15 RGB signal output jack  |
| 6 RGB (PC)/Component video (YPbPr/ YCbCr) signal input jack | 16 1.2V DC output terminal Used to trigger external devices such as anelectric screen or light control, etc. Consult your dealer for how to connect these devices. |
| 7 HDMI input jack   | 17 12V DC output terminal  |
| 8 USB type B jack   | 18 Quick-release adjuster foot   |
| 9 USB type A jack   |  |
| 10 RJ45 LAN input jack                                      |  |

## Specification

|   | MX768  | MW769   | MX723   | MW724   |
|---|--|---|---|---|
| Projection System                       | DLP™   | DLP™  | DLP™  | DLP™  |
| Color Wheel                             | 5 seg (RGBYW)  | 5 seg (RGBYW)                                 | 6 seg (RGBCYW)                                | 6 seg (RGBCYW)                                |
| Native Resolution                       | XGA (1024x768)   | WXGA (1280x800)                               | XGA (1024x768)                                | WXGA (1280x800)                               |
| Brightness                              | 4000 ANSI Lumens   | 4200 ANSI Lumens                              | 3700 ANSI Lumens                              | 3700 ANSI Lumens                              |
| Contrast Ratio                          | 13000:1  |   |   |   |
| Display Color                           | 1.07 Billion Colors  |   |   |   |
| Lens                                    | F= 2.58~3.24, f=15.94~25.5mm   | F= 2.42~2.97, f= 20.7~31.05mm                 | F=2.5~3.12, f=16~25.46mm                      | F=2.41~2.78, f=15.76~21.11                    |
| Aspect Ratio                            | 4:3  | 16:10   | 4:3   | 16:10   |
| Throw Ratio                             | 1.39-2.26:1  | 1.45-2.17:1                                   | 1.4-2.3:1                                     | 1.1-1.5:1                                     |
| Max. Image Size (Diagonal)              | 300"   | 300"  | 300"  | 300"  |
| Zoom Ratio                              | x1.6   | x1.5  | x1.6  | x1.36   |
| Lamp Wattage                            | 310W   | 310W  | 260W  | 240W  |
| Lamp<br>(Normal/Eco Mode/SmartEco Mode) | 2500h/3000h/3500h  | 2500h/3000h/3500h                             | 2000h/3500h/5000h                             | 3000h/4000h/7500h                             |
| Keystone Adjustment                     | V: +/-30° H: +/-25°  | V: +/-30° H: +/-25°                           | V&H: +/-30°                                   | V&H: +/-30°                                   |
| Projection Offset                       | 130%±5%  | 125%±5%                                       | 130%±5%                                       | 125%±5%                                       |
| PC Signal Compatibility                 | up to UXGA (1600x1200)   | up to UXGA (1600x1200)                        | up to UXGA (1600x1200)                        | up to UXGA (1600x1200)                        |
| HDTV Compatibility                      | 480i, 480p, 576i, 576p,<br>720p, 1080i, 1080p  | 480i, 480p, 576i, 576p,<br>720p, 1080i, 1080p | 480i, 480p, 576i, 576p,<br>720p, 1080i, 1080p | 480i, 480p, 576i, 576p,<br>720p, 1080i, 1080p |
| Video Compatibility                     | NTSC, PAL, SECAM   | NTSC, PAL, SECAM                              | NTSC, PAL, SECAM                              | NTSC, PAL, SECAM                              |
| Horizontal Frequency                    | 31~100KHz  | 31~100KHz                                     | 15K~102KHz                                    | 15K~102KHz                                    |
| Dimensions(W x H x D)                   | 329x 137.2mm x 248.7mm   | 329x 137.2mm x 248.7mm                        | 327.4 x 136.7 x 232.8 mm                      | 327.4 x 136.7 x 232.8 mm                      |
| Weight                                  | 3.9kg  | 3.9kg   | 2.6kg   | 3.0kg   |
| Audible Noise                           | 34dBA  | 34dBA   | 33dBA   | 32dBA   |
| Power Supply                            | AC 100 to 240 V, 50/60 Hz  | AC 100 to 240 V, 50/60 Hz                     | AC 100 to 240 V, 50/60 Hz                     | AC 100 to 240 V, 50/60 Hz                     |
| Power Consumption                       | 400W   | 400W  | 310W  | 290W  |
| Standby power consumption               | <0.5W  | <0.5W   | <0.5W   | <0.5W   |
| Operating environment                   | 0~40°C / 10%~90% humidity w/ no condensation   |   |   |   |
| What's in the box                       | carrying bag, remote control w/ battery, power cord, user manual CD, quick start guide, warranty card, VGA cable, lens cover |   |   |   |

\*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

## Optional accessory

### Spare lamp kit



MX723: 5JJCV05.001  
MW724: 5JJAB05.001  
MX768/MW769: 5JJ6R05.001

### Ceiling mount



CMGI (5JJ2K01.001)

### Active 3D glasses



DGD5 (5JJ9H25.001)

### Quick Wireless Connection Kit



WDS01 (5JJ9P28.E01)

### Carrying Bag



5JJ3T09.001

## Key Features

- Horizontal & Vertical keystone
- Sleep timer
- RoHS compliant
- Compatible with Crestron
- Kensington lock
- Corner fit
- Support all 3D mandatory formats
- 2X digital zoom
- Compatible with AMX
- Variable audio out
- Surface fit (MX768/MW769)
- Standby power <0.5W (network off)
- Quick auto source search
- Compatible with Extron
- Top access lamp door
- Filter free design
- SmartEco energy saving
- Closed captioning
- VGA signal power on
- Compatible with PLink
- Eco Blank mode
- Panel key lock
- Direct power on/off

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Because it matters