

# Education Solution Brochure

Captivate Learning  
Beyond Imagination



**BenQ**  
Education

## BenQ Board

Pro Series | RP6504 / RP7504 / RP8604

Master Series | RM6504 / RM7504 / RM8604

## BenQ Projector

Smart Series | Interactive Series

Auditorium Series

## BenQ Education – Shape the Future of Learning

Education serves as a cornerstone of social well-being, fostering connections and equitable opportunities for fulfilling and prosperous lives.

In today's technological era, digitalization of education has unleashed limitless potential with a more engaging, accessible, and inclusive learning journey that transcends physical, geographical, and linguistic boundaries.

Now more than ever in the aftermath of the pandemic, governments and educational institutions are embracing education technology to elevate learning quality to prepare students for the future.

As a global leader of education technology, BenQ Education stands as a pioneer, seamlessly bridging educational scenarios with the future of learning. We are committed to partnering with teachers to shape the future of learning and breath life into classrooms via interactive displays, projectors, and software that supports robust student engagement in a healthy classroom.

## BenQ – Bringing Enjoyment 'N Quality to Life

BenQ focuses on the aspects of life that matter most to people today: lifestyle, business, healthcare, and education. Our goal is to provide people with the means to live better, increase efficiency, feel healthier, and enhance learning—Because it matters.



# BenQ Education Solutions

## Interactive Displays

BenQ Board RP, RM, RE Series



## Accessories

Video Conferencing Camera



InstaShow Wireless Screensharing



Remote Control Smart Pens



NFC Card



OPS



Wireless Adapters



Mounts & Stands



## Projectors

Smart, Interactive, Auditorium Projector Series



## Accessories

PointWrite™ Kit



QCast Mirror Wi-Fi Dongle



\* Each software applicable products may vary.

# BenQ Solutions for Modern Classrooms

## Auditorium and Lecture Hall



## Lecture Classroom



A large classroom characterized by a tiered floor with auditorium-style seating. Instructors conduct lessons from lecterns, seamlessly sharing content from laptops onto large screens.

### BenQ Education Solutions

- 86" BenQ Board
- Long throw laser projectors with 8000-10000 ANSI lumens



An averaged-sized classroom designed for one-way instructional approach, enhancing whiteboard instruction with supplementary digital teaching materials.

### BenQ Education Solutions

- 65", 75", and 86" BenQ Board
- Standard projectors with 4000-5000 ANSI lumens

# BenQ Solutions for Modern Classrooms

## Seminar and Case Study Classroom



## Interactive and Multimedia Classroom



Small to medium-sized classroom, seamlessly integrating multiple devices for sharing diverse ideas, is ideal for thematic group discussions, team presentations, and guest speeches.

### BenQ Education Solutions

- 65", 75", and 86" BenQ Board
- 3000-4000 ANSI lumen projectors with wireless casting capabilities
- QCast Mirror QP30 HDMI wireless dongle



Tight interactive learning area especially designed for preschools and K-12 group activities, fostering the development of motor, cognitive, social, and emotional skills crucial for young learners.

### BenQ Education Solutions

- 65" and 75" BenQ Board
- Short throw and ultra short throw interactive projectors

# Explore New Possibilities

BenQ Board Powered by Android™ OS



# The BenQ Board Difference



## DMS

Device Management System

### Device and App Management

Remotely monitor and manage all your BenQ devices:

- Install, update, and delete apps
- Push OTA updates
- Set startup and shutdown times
- Publish policy across the boards

### Group Management

Group BenQ devices by categories such as department, floor, building, or grade to manage apps and power settings.

### Comprehensive Analytics

Monitor all BenQ Boards in detail from a single dashboard to get the most out of your devices.



## AMS

Account Management System

### Directory Services Synchronization

Log in using accounts from Google Workspace, LDAP, Microsoft Entra, Classlink, Azure AD, and other SAML-based identity providers.

### Single Sign-On

Log in to any BenQ Board to automatically sign in to all BenQ and Google services and cloud storage.

### Personalized Teaching Space

Load your app shortcuts, wallpapers, website bookmarks, and teaching materials on cloud storage every time you log in.

### Enhanced Security

Protect your data with SSO, MFA, and flexible ways to log in while keeping credentials private.

### One-Tap Login

Simply tap your NFC card to log in to your AMS account.



**ClassroomCare**<sup>®</sup>  
Healthier Classrooms

### Germ-Resistant Screens and Accessories



SIAA certified



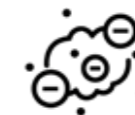
TÜV certified

### Eye Care Technologies



### Air Quality Analytics and Air Ionizer

Monitor air quality on a unified DMS dashboard with built-in air quality sensors. Our air ionizer technology automatically purifies the air quality when pollutant levels rise.



Air ionizer

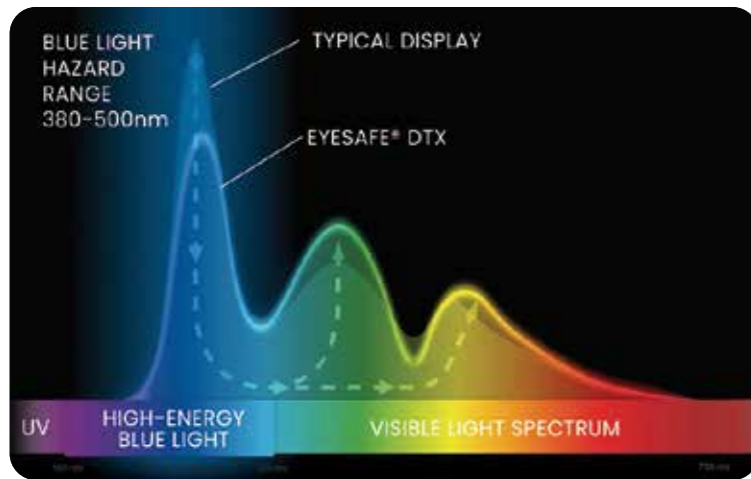


Air quality analytics

\*Availability of DMS and AMS features may vary.

\*Air quality sensor available on the RP04

# Enhance Eye Comfort

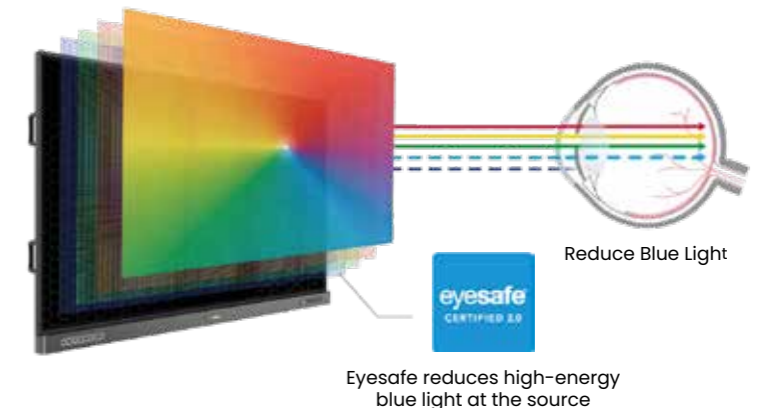


## The World's Leading Brand of Eyesafe® Certified 2.0 Interactive Displays

BenQ is the proud pioneer in Eyesafe DTX adoption, an advanced blue light mitigation technology developed in collaboration with optometrists and ophthalmologists.

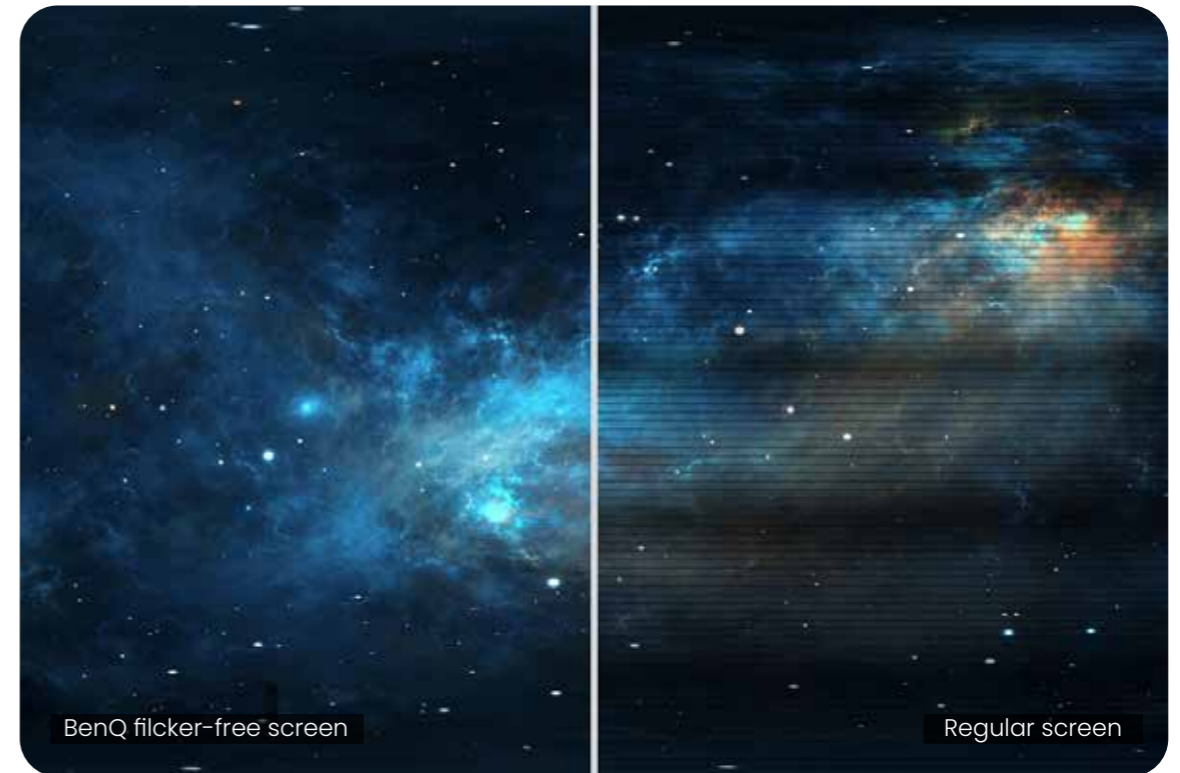
The BenQ Board RP04 holds distinction as the world's first and only smart board to achieve Eyesafe® Certified 2.0 status with the highest radiance protection factor scale of RPF50. This cutting-edge technology provides the utmost ocular protection, effectively alleviating eye strain by minimizing high-energy blue light exposure in the hazardous 380 to 500nm range, all while preserving brilliant colors.

Compared to traditional classroom touchscreens, BenQ Boards incorporate a multifaceted array of hardware and software components meticulously engineered to uphold educators' and students' vision health.





# Enhance Eye Comfort



## Anti-Glare

Visibility of on-screen details is critical in educational settings. BenQ anti-glare screens significantly reduce glare even under bright lighting conditions, enhancing the clarity of displayed content.

## Flicker-Free

Interactive displays with low refresh rates often exhibit flickering, which can cause dizziness and eye strain during classroom sessions. BenQ's flicker-free interactive displays effectively eliminate flicker, ensuring consistently seamless visuals for comfortable viewing at all times.



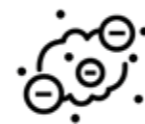
## Defend Against Spread of Germs

BenQ pioneered the world's first germ-resistant interactive displays, featuring touchscreens, keypad buttons, pens, and remote controls incorporating a TÜV-certified nano-ionic silver formula with 99.9% effectiveness against common germs.



## Breath of Fresh Air

Our exclusive built-in air quality sensors monitor temperature, humidity, CO<sub>2</sub>, PM<sub>2.5</sub>, and formaldehyde in the classroom on a single dashboard. When pollutants surpass acceptable thresholds, BenQ Boards automatically purify the air via ionization.



Air ionizer



Air quality analytics

# Intuitive and Personalized Experience

Android 



## Google Play

Get access to your favorite education apps right on BenQ Board.



## Google Workspace

Google Core Services and collaboration tools come preinstalled on RP04 and RM04.



## Microsoft 365

Fully utilize and seamlessly access your teaching materials with Microsoft collaboration tools.



## Enhanced Security

Enjoy Google's security features on RP04 and RM04 to prevent data leaks, phishing, malware, and data loss.



## Air Quality Analytics

Effortlessly monitor air quality via integrated sensors and unified dashboard.

## Widgets

Add widgets to display information that matters most to you and your students.

## Favorites

Start your class with most-used apps, wallpapers, and bookmarks right on the home screen.

# Teach Your Way



EZWrite 6  
Digital Whiteboarding Software

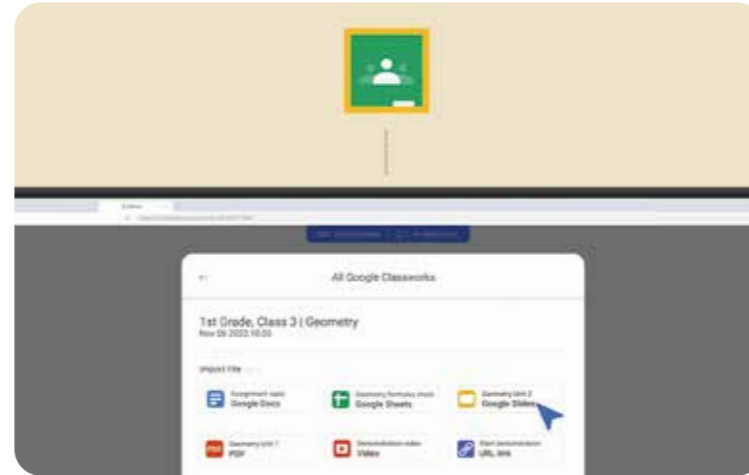


## Bring Your Files and Devices

Experience EZWrite 6, an intuitive and powerful whiteboard application, compatible with Android, Windows, Mac, iPad, Chromebook, and various web browsers, enabling seamless access to lesson files from Google, Microsoft, and OpenOffice.

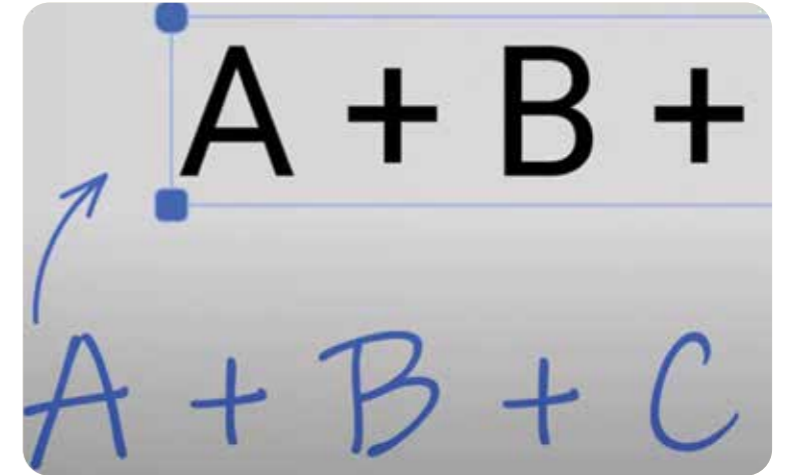


PowerPoint Word Excel PDF IWB Image



## Streamline Class Management

With Google Classroom integration, you can import lesson materials and invite students to the EZWrite 6 web whiteboard. Post announcements to your class stream right from the BenQ Board.



## Smart in Every Way

Powered by Google AI, EZWrite 6 can intelligently turn handwriting and text within images into editable text, convert text into speech, and even translate text into multiple languages during class sessions.



Text-to-Speech Multilingual Translation Optical Character Recognition (OCR) Handwriting Recognition

# Teach Your Way

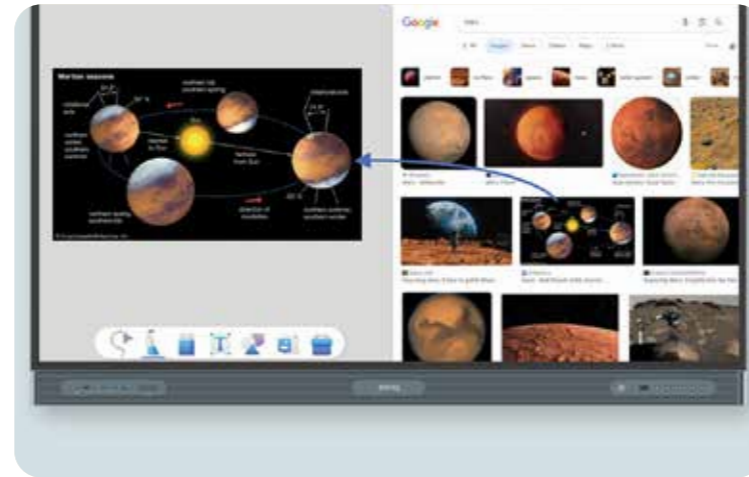


EZWrite 6  
Digital Whiteboarding Software



## Teach Without Distance

BenQ Board's EZWrite 6 whiteboard seamlessly integrates with a document camera, letting you deliver real-time hands-on tutorials and easily engage students in every corner.



## Multimedia Lessons on Hand

Enhance the EZWrite 6 whiteboard experience with a browser, YouTube, and digital teaching materials displayed side by side. Effortlessly copy and paste text or images from your lessons directly onto the whiteboard with a simple drag and drop.



## Intuitive Interactive Teaching

EZWrite 6 comes with diverse classroom tools for all subjects such as sticky note, stopwatch, calculator, ruler, protractor, editable geometric shapes, compass, scoreboard, and team post.

# Cast Your Way



## InstaShare 2 Wireless Screen Sharing



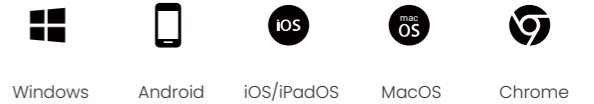
### Teach Flexibly

Share screens from different OS devices via InstaShare 2, Miracast, AirPlay, and Chromecast onto the BenQ Board with real-time annotation capabilities.



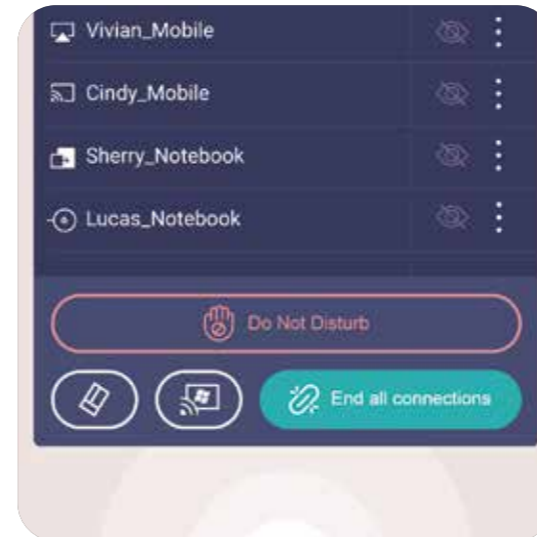
### Hold Discussions

Cast the BenQ Board screen onto multiple student devices, including Windows, Android, iOS/iPadOS, MacOS, and Chrome OS.



### Share Ideas

Grant specific student devices sharing and writing access, enabling students to contribute ideas through photos, videos, cameras, and microphones on up to 9 split screens on BenQ Board.



### Teach Securely

Manage class flow by selecting screens to hide or share, turning off screen sharing requests, and utilizing AI-powered content filters to automatically block inappropriate materials.

# Teach Without Boundaries

## AI-Enabled Smart Camera for Hybrid Learning

Record your hybrid classes in high-quality video by plugging in DV01K, the bundled BenQ Board smart camera. DV01K simply slides onto the BenQ Board RP04 without cables for seamless connectivity.

### Auto Framing

Enhance hybrid learning engagement by automatically focusing on classroom participants, cropping out distracting backgrounds, and eliminating the need for manual camera adjustments.

### Speaker Tracking

Engage with both in-class and remote students and move freely within the classroom with AI-enhanced voice tracking to focus on speakers on the move or multiple speakers in a room.

### Noise Suppression

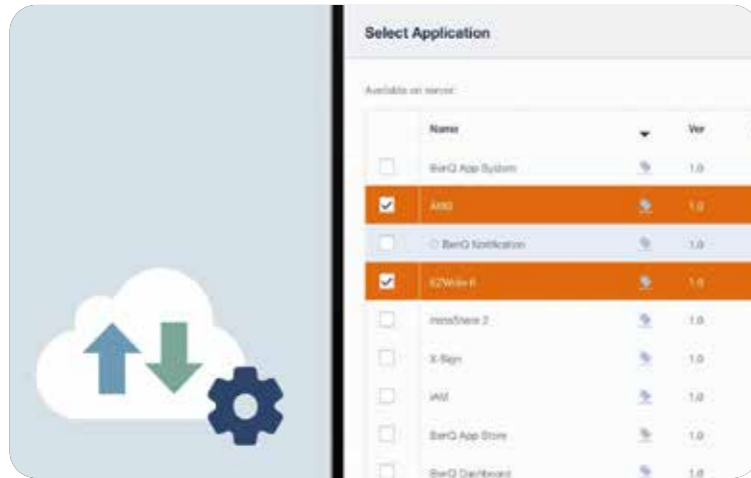
Create an active learning environment and smooth collaboration without distractions by eliminating background classroom noises.



# Tools for IT Administrative Staff



DMS  
Device Management System



## App Security Management

DMS makes it easier than ever to manage apps on BenQ Boards. Remotely install, update, and uninstall Android apps on multiple devices to deploy necessary teaching software. Aside from disabling the Google Play Store on the BenQ Boards, DMS allows IT admin staff to define apps available for download and restrict inappropriate app installations in a centralized manner.



## Bind Devices Effortlessly

Without turning BenQ Boards on and connecting to the internet, IT staff can directly scan the unique serial number on the box or screen side bezel of each BenQ Board with a mobile device, efficiently binding multiple BenQ devices to the DMS Admin account all at once.



## Deploy Configurations in Groups

DMS lets you group BenQ devices by grade, floor, building, or department. You can remotely deploy consistent policies, such as preferred languages, most-used apps, network configurations, and power settings to multiple selected groups of devices with just a few clicks.



# Tools for IT Administrative Staff



AMS  
Account Management System



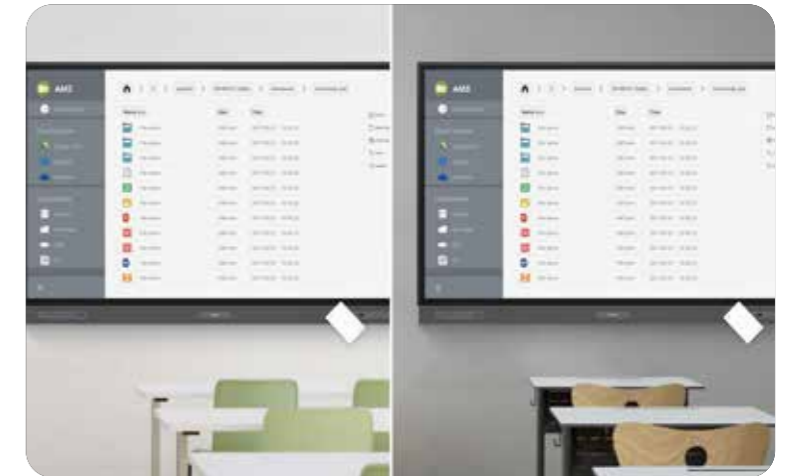
## Streamlined Access Experience

Enjoy easy access to AMS using your existing credentials. Our single sign-on integration is supported by identity providers such as Active Directory (AD), Google Workspace, Microsoft Entra ID (formerly Azure Active Directory), ClassLink, OneLogin, miniOrange, OAuth, Okta, and Shibboleth.



## Personalized Teaching Space

By logging in with your AMS account, you can automatically load personal account settings including favorite apps, bookmarks, and wallpapers onto shared BenQ Boards across classrooms. This streamlines the process and saves valuable lesson time.



## Tap and Teach

By simply tapping an NFC card, AMS provides secure access to your teaching materials on cloud storage platforms such as Google Drive, Dropbox, OneDrive, and Box, covering over 80% of the cloud storage market's requirements.

# Beyond Visual Perfection

Durable Projectors for Vivid  
Image Performance



# The BenQ Projector Difference



## DUST GUARD IP5X Dust Protection

### Sealed Engine and Optical Path Design

SGS certified sealed engine and IP5X sealed SSI light source eliminates any chance of dust contaminating the projector's key components.



## SmartEco Device Energy Management

### Dynamic Power Output Adjustment

Significant savings up to 62% of yearly electricity costs via automatic SmartEco or ECO Blank mode activation according to usage scenarios.

### Sustainable Image Quality with SmartEco Mode

Maintain outstanding color performance and contrast ratio while conserving power. Automatically reduce power output within seconds upon switching to dark content.

### Efficient Energy Saving with ECO Blank Mode

Auto detect and switch to ECO Blank mode when projector has been idle for 3 minutes without signal.

### Longer Light Lifespan and Durability

BenQ's SmartEco SSI breakthrough empowers projectors with up to 60% extended life.



## DMS Device Management System

### Device and App Management

Remotely monitor and manage all your BenQ devices :

- Install, update, and delete apps
- Push OTA updates

### Group Management

Group BenQ devices by categories such as department, floor, building, or grade to manage apps and power settings.

### Comprehensive Analytics

Monitor all BenQ devices in detail from a single dashboard to get the most out of your devices.

# Sustainable Image Performance



## Steady Projection Without Dust

Dust is the main source of damage to projectors, causing reduced projector lifetime and higher maintenance costs. With anti-dust sealed engines, filters, and sensors, BenQ DUST GUARD technology ensures projector durability and reliability in severe dust environments, protecting projectors from blemishes, thermal issues, signal detection failure, brightness and color decay.



## Energy-Friendly Visual Delight

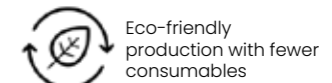
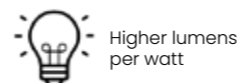
BenQ's innovative SmartEco laser technology optimizes image performance while reducing power consumption by up to 70%. Immerse yourself in vividly saturated colors and sharp lifelike imagery with outstanding 92% Rec.709 wide color coverage, ensuring authentic hues for captivating lessons.



## Eco-Conscious SSI Technology

Guided by principles of environmental sustainability, BenQ projectors utilize solid-state illuminator (SSI) technology, delivering both high brightness and enduring color performance. Our SSI technology completely eliminates hazardous mercury in lamp light sources while minimizing consumables throughout production and design phases.

\*Sealed light source available on LED and laser models only.

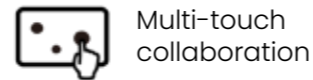


# Flexible Projection with Smooth Interaction



## Maximize Student Participation

Empowered by BenQ PointWrite™ Kit interactive touch module, BenQ interactive projectors offer smooth and intuitive writing experiences that allow multiple students to collaboratively share, write, and annotate directly on projected content with smart pens.

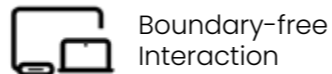


Multi-touch collaboration



## Captivate Your Class

Paired with QCast Mirror Wi-Fi dongle, Wireless Projection allows up to 4 devices to seamlessly stream content and display collaborative presentations in 4 split windows. Wireless Projection supports various device casting methods including Miracast, AirPlay, Google Cast, and BenQ InstaShare.



Boundary-free interaction



5-in-1  
Type-C  
PD 100W  
PD 65W



5-in-1  
Type-C  
PD 65W



5-in-1  
Type-C  
PD 15W

## Models

### Panel

	BenQ Board Pro (RP04)	BenQ Board Master (RM04)	BenQ Board Essential (RE03)
Screen size	65", 75", 86"	65", 75", 86"	65", 75", 86"
Resolution	4K UHD (3840 × 2160)	4K UHD (3840 × 2160)	4K UHD (3840 x 2160)
Aspect ratio	16:9	16:9	16:9
Brightness (typical)	450 nits	450 nits	450 nits
Contrast ratio (typical)	1200:1	1200:1	1200:1
Dynamic contrast ratio	50,000:1	50,000:1	30,000:1
Color depth	10-bit	10-bit	10-bit
Response time	8 ms	8 ms	8 ms
Color gamut	65" - NTSC 72%   75" - NTSC 72%   86" - NTSC 72%	65" - NTSC 68%   75" - NTSC 70%   86" - NTSC 65%	65" - NTSC 72%   75" - NTSC 72%   86" - NTSC 72%
Light life (typical)	50,000 hrs	50,000 hrs	50,000 hrs
Orientation	Landscape	Landscape	Landscape

### Glass

Hardness	9H tempered	9H tempered	9H tempered
Germ resistance	Nano-ionic silver	Nano-ionic silver	Nano-ionic silver
Anti-glare coating	Yes	Yes	Yes

### Touch screen

Touch technology	Infrared touch	Infrared touch	Infrared touch
Touch points	40	40	40
Touch response time	< 5 ms	< 8 ms	< 10 ms

### Platform system

CPU	8-core: A78×4 + A55×4	8-core: A73×4 + A53×4	A55 x 4
Memory   Storage	8GB   64GB	8GB   32GB	4GB   32GB
OS	Android 13.0	Android 13.0	Android 11.0

Models	BenQ Board Pro (RP04)	BenQ Board Master (RM04)	BenQ Board Essential (RE03)
<b>Connectivity</b>			
HDMI (in   out)	4 × HDMI 2.0   1 × HDMI 2.0	3 × HDMI 2.0   1 × HDMI 2.0	3 × HDMI 2.0   1 × HDMI 2.0
DisplayPort	1.2a	1.2a	1.2a
VGA	1	1	1
3.5 mm line in	Mic + PC audio	Mic + PC audio	PC audio
3.5 mm line out	Earphone	Earphone	Earphone
S/PDIF	Optical	Optical	Optical
USB-A	1 × 2.0   6 × 3.0	2 × 2.0   5 × 3.0	1 × 2.0   1 × 3.0
USB-B (touch)	3 × 3.0	3 × 3.0	2 × 2.0
USB-C	2 × 3.0   1 × 2.0 (PD 65 W)   1 × 3.0 (PD 100 W)	2 × 3.0   1 × 3.0 (PD 65 W)	1 × 3.1
OPS slot (slot-in PC)	1	1	1
Ethernet LAN	1 × 10/100/1000 Mbps (Android)   2 × 10/100/1000 Mbps (OPS)	1 × 10/100/1000 Mbps (Android)   2 × 10/100/1000 Mbps (OPS)	1 × 10/100/1000 Mbps (Android & OPS) × 2
<b>Built-in peripherals</b>			
Microphone	8-mic array	8-mic array	NA
Speaker	2 × 20 W	2 × 20 W	2 × 16 W
Subwoofer	16 W	NA	NA
Ambient light sensor	Yes	Yes	Yes
Particle sensor	Yes	NA	NA
Temperature sensor	Yes	NA	NA
Humidity sensor	Yes	NA	NA
Air sensor	Yes	NA	NA
Motion sensor	Yes	NA	NA
NFC	Yes	Yes	NA
Wi-Fi	Built-in	Optional	Optional
Air ionizer	Yes	NA	NA
Bluetooth	Built-in	Optional	Optional

## Auditorium and Lecture Hall Projector



**LU9800**

## Lecture Classroom Projector



**LU930**



**LH730**



**LU710**

### Models

#### Display

Brightness (ANSI lumens)

Native Resolution

Light Source

#### Optical

Throw Ratio

Zoom Ratio

10000

WUXGA (1920x1200)

Laser

0.38 ~ 8.26 with optional lenses

1.18x ~ 1.67x with optional lenses

5000

WUXGA (1920x1200)

4LED

1.3 ~ 1.56

1.2x

4000

1080P (1920x1080)

Laser

1.13 ~ 1.46

1.3x

4000

WUXGA (1920x1200)

4LED

1.3 ~ 1.56

1.2x



***Seminar and Case Study Classroom Projector***

***Interactive and Multimedia Classroom Projector***



**EH620**



**EH600**



**LH856UST**



**LW855UST**

**Models**

**Display**

Brightness (ANSI lumens)

3400

3500

3500

3500

Native Resolution

1080P (1920x1080)

1080P (1920x1080)

1080P (1920x1080)

WXGA (1280x800)

Light Source

Lamp

Lamp

Laser

Laser

**Optical**

Throw Ratio

1.13~1.47

1.49~1.64

0.33

0.35

Zoom Ratio

1.3x

1.1x

Fixed

Fixed



## Models

	DVG31	DVG32	DV01K	DVG23
<b>Camera</b>				
Dimensions (H x W x D)	102.0 mm x 47.3 mm x 29.9 mm	180.1 mm x 47.4 mm x 44 mm	168.0 mm x 71.9 mm x 58.3 mm	150 mm x 181 mm x 116 mm
Weight	0.16 kg (0.35 lbs)	0.40 kg (0.88 lbs)	0.30 kg (0.66 lbs)	1.38 kg (3.04 lbs)
Sensor	1080P FHD	4K UHD	4K UHD	1080P FHD
Resolution	1080p, 720p, SD@30 fps	Main Stream: 4K@30fps, 1080p@60fps/30 fps, 720p@90fps/60fps/30fps Sub Stream: 720P, 480P@30fps/25fps	4K@30 fps, 1080p@60 fps/30 fps, 720p@60 fps/30 fps	1080p, 720p, SD @30 fps
Field of View	Horizontal: 85° Vertical: 52° Diagonal: 92°	Horizontal: 110° Vertical: 72° Diagonal: 120°	Horizontal: 110° Vertical: 70° Diagonal: 120°	Horizontal: 55° Vertical: 31° Diagonal: 63°
Zoom	-	Digital: 5x	Digital: 4x	Optical: 20x, Digital: 10x
Pan   Tilt	-	Digital	Digital	±170°   -30° to 90°
Pan   Tilt speed	-	-	-	100°/sec   45°/sec
Focus	Fixed	Fixed	Fixed	Auto and manual
Auto Framing	-	Yes	Yes	-
Voice Tracking	-	-	Yes	-
Preset Positions	-	Remote: 3 OSD: 10	-	Remote: 10 LAN: 255
Lens Type	Glass	Glass	Glass	Glass
Low Light Performance	0.5 Lux	0.1 Lux	0.01 Lux	0.5 Lux
<b>Audio</b>				
Microphone	Omni-directional mics x 2 Pickup range: Up to 5m (16 ft)	Omni-directional mics x 2 Pickup range: Up to 8m (26 ft)	Omni-directional mics x 4 Pickup range: Up to 8m (26 ft)	-
Input	-	-	-	3.5mm
Output	-	-	-	HDMI, Ethernet, SDI
Echo Cancellation	Yes	Yes	-	-
Active Noise Cancellation	-	-	Yes	-
<b>Connectivity</b>				
Output	USB 2.0	USB 3.0	USB 2.0	USB 3.0, HDMI, Ethernet, SDI
Ethernet	-	-	-	• 1GbE port • Power over Ethernet
<b>Control Interface</b>				
In   Out	-	-	-	RS232, RS422, RS485   RS232
<b>Power</b>				
Voltage	5V	5V	5V	12V
<b>Compatibility</b>				
Operating Systems	Windows 7, 8.1, 10, Linux, Chrome™ OS*, macOS™ 10.10 and higher *Contact BenQ service for available Chromebook models	Windows 7, 8.1, 10, Linux, Chrome™ OS*, macOS™ 10.10 and higher *Contact BenQ service for available Chromebook models	Windows 7, 8.1, 10, 11, macOS™ 10 and higher, Linux (UVC), Chrome™ OS version 29.0.1547.70 and higher	Windows 7 (1080P/720P), Windows 8.1, Windows 10, macOS 10.10, Linux (UVC), and higher
USB	Plug and play	Plug and play	Plug and play	Plug and play
<b>Package Contents</b>				
Included	•1080P FHD webcam •Privacy cover •USB cable (built-in) •Quick start guide	•4K UHD conference cam •Privacy cover •Remote control •USB 3.0 Type-B cable •Quick start guide	•4K UHD conference cam •Privacy cover (built-in) •Quick start guide	•1080P FHD PTZ conference cam •Camera mount (built-in) •Remote control •USB 3.0 Type-B cable •Power supply



**Shape  
the Future  
of Learning**

**BenQ**

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Dealer's Stamp

