Inspiring Learning at Your Fingertips

BenQ Interactive Flat Panels for Today’s Interactive Classrooms
Since 2008, BenQ has been pouring R&D resources into display innovation for the classroom, facilitating effective instruction and student engagement with a wide array of education projector solutions. We created the world’s first interactive projector and have been meticulously optimizing the design of our display products, solutions and services ever since.

Did you know?

Today’s classrooms are active learning centers that encourage lively discussion and engage teamwork. Students don’t just sit and take notes from the teacher any more. Rather, they collaborate with one another using a variety of gadgets, from smartphones to tablets and laptops, with an interactive display as the central platform for learning.

BenQ is poised to optimize this platform with the friendliest interactive display design and classroom-ready solutions to support schools by bringing a truly interactive learning experience into their classrooms. We believe that hardware and software play equally important roles in an interactive classroom environment, and it is this belief that has driven the development of our RP Series interactive flat panels, which are designed to simplify and enrich every aspect of interactive learning.

We aim to build the ultimate learning platform for the classroom, one that is not only simple and easy to use, but one that also makes room for the incorporation and integration of even more valuable educational resources.

"In everything we do, we uphold our dedication to constantly perfect the design of our RP Series, providing the best interactive touch experience for the classroom and inspiring learning at your fingertips."

— Peter Huang
General Manager of BenQ’s Technology Center

Here at BenQ, we are committed to empowering educators around the world with the best interactive classroom display technology

Inspiring Learning Is at the Heart of Everything We Do
Fostering Active Learning & Collaborative Interaction with BenQ Classroom Software Solution

To play an active part in transforming the way teachers and students communicate, interact and collaborate, we have devoted vast resources to researching, developing, incorporating and perfecting a wide array of innovative classroom software that supports every aspect of a 21st century education. Available with the purchase of the RP Series interactive flat panels, our classroom software solution is designed to support all aspect instruction, interaction and collaboration.

We aim to bring a new level of simplicity, ease and control, supporting flipped learning and engaging students like never before! Teachers can freely incorporate dynamic resources from computational and mobile devices into their lesson plans, as well as invite their students to come up to the front to interact and collaborate together using teaching templates and annotation tools, sparking creativity, imagination and lots of fun.

**A Fun and Easy Annotation Solution:**
*Capture Ideas On the Fly. Activate Interaction in no Time.*

**EZWrite3.0:**
Inspire Learning and Participation with Ease

EZWrite3.0 is the ultimate annotation app that is designed to facilitate interactive learning with a tap. More than just taking notes, EZWrite3.0 also comes with all sorts of tools that can inspire cooperation and participation. It’s accessible and easy to use for both teachers and students.

*Available with RP552H, RP653, RP703, RP750, RP750K, RP840G

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**Tap and create**
Simply tap the app to begin creating colorful notes in class with various colored pencils, highlighters and backgrounds. It’s super easy and fun to use.

**Whiteboard use**
This app instantly turns the interactive flat panel into a full-size whiteboard for illustrating ideas, recording notes, brainstorming, and more.

**Data-to-Go**
Save annotations as images and share them as review material through a variety of methods. Besides the display’s internal memory, the creations can also be saved with USB flash drive as PNG image or converted into QR codes for instant sharing via mobile devices.

**Multi-touch interactivity**
Multi-touch support makes BenQ RP Series perfect for group activities and classroom games that motivate collaboration and communication.

**Floating toolbar**
EZWrite3.0’s floating toolbar is compatible with any input source and Android™ application. The floating on-screen menu lets you immediately change pen colors and take screenshots to enhance class interaction whenever you need it.
Cooperation tools

EZWrite3.0’s exclusive Cooperation Tools are specially designed to enhance interaction and team building through a wide selection of interesting group activities.

NFCPen: A Smart Annotation Tool Mightier Than Fingers

NFCPen is a lightweight, NFC-enabled stylus specially designed to make annotating with EZWrite3.0 simply easy. NFCPen offers the tactile feel of a real pen and spares your fingers the fatigue caused by long sessions of writing on the screen.

*Available with RP653, RP703, RP750, RP750K

Thoughtful design and exceptional durability

NFCPen costs nearly nothing to maintain. Built with NFC technology, NFCPen is battery-free and doesn’t require device pairing. Made of reliable materials, it is water-proof and built to withstand long-term use. When you’re done with NFCPen, you can prevent misplacement by attaching it to the magnetic area on the lower bezel of your RP Series.

Timer & Stopwatch

The easy-to-use Timer is perfect for timed team competitions, presentations and group activities. This feature also comes in handy when teachers want to give class quizzes to check students’ level of understanding.

Buzzer

Host game show-style quizzes with EZWrite3.0’s interactive buzzer. This is not only an effective way to review but also a great way to create an engaging class environment that fosters team spirit and improves students’ learning retention.

Draw Lots

Teachers can randomly select students to answer questions or participate in activities with the Draw Lots function, giving every student a fair chance to take part in discussion and keeping them fully involved at all times.

Team Post

Enhance class discussion with a super-size Team Post board. Up to 5 teams of students can participate and post their answers or artwork simultaneously. All student creations can be saved to an external flash drive or the display’s internal memory, or even converted into QR codes for quick sharing.

Score Board

Score Board is the convenient and reliable tool for tallying game scores right on screen. It can record scores for up to 5 teams, saving teachers the effort of mentally keeping track of scores.

Annotating and color switching with tap-and-write simplicity

To create notes on the screen, just tap NFCPen on the NFC sensor to activate EZWrite3.0, and then start writing. NFCPen is designed with double color tips. Every BenQ RP Series purchase comes with two NFCPens. One NFCPen has green and red tips, while the other has blue and black. Switching colors is simple:

Step 1. Choose the color. And tap the NFCPen on the NFC sensor area.
Step 2. Write on screen with the selected color.

6
Fostering a Healthy Learning Environment for Students

When it comes to effective learning, health matters. Here at BenQ, we are committed to creating a healthy environment that is conducive to learning. That’s why we armed the RP Series surface with an AG+ Screen and total Eye-care solution to curb bacterial build-up and safeguard eye health for teachers and students.

Every time a touch screen is swiped or tapped, it accumulates germs. The RP Series AG+ Screen, coated with Ag+ ionic silver agent, delivers germ-resistant performance, minimizing the risk of transmission of infection in your classroom.

In pursuit of a viewing experience that allows students to focus in class, the RP Series touchscreen also comes with total Eye-care solution so that students can enjoy their reading in a vision-friendly classroom.

AG+ Screen

To protect students’ vision, BenQ RP Series has equipped with an anti-glare surface to reduce screen reflections, providing students with more legible text. In search of the most healthful learning environment, the RP Series further introduces an AG+ Screen to enhance anti-glare surface with germ-resistant performance. The AG+ Screen is coated with the ionic silver (Ag+) agent which can kill most bacteria on contact by disrupting their cell division mechanism. This can effectively block the spread of bacteria in your classroom.

*SGS Test Confirmed

SGS is the world’s leading inspection and verification company, providing internationally approved testing services to verify product quality and performance. Placing our trust in SGS’s best-in-class facilities and world-recognized integrity, we had their experts rigidly evaluate the screen’s antimicrobial efficacy. Proved by the JIS Z 2801:2010 testing methods, the result shows that BenQ’s AG+ Screen can effectively restrain the growth of Escherichia coli and Staphylococcus aureus. To maintain antimicrobial efficacy, please frequently wipe your touch screen with a clean, soft, lint-free cloth moisturized with a neutral detergent.
Eye Care 1, 2, 3
New display design essentials to safeguard your eyes all day long

The RP Series is designed to prevent eyestrain, eye fatigue and macular degeneration caused by spending too much time in front of a visual display – otherwise known as Computer Vision Syndrome (CVS). This total eye-care solution is comprised of BenQ’s proprietary eye-care technologies and anti-glare display.

What’s Computer Vision Syndrome?
When light enters your eye, the ciliary and iris muscles work to make you see. After a long period of viewing, frequent micro-movements tire out the iris muscles while the ciliary muscle becomes inflexible and contractive. This situation is exacerbated by frequent dimming and brightening of an image – and that’s when CVS happens.

Eliminate acceptability of glare
Screen glare shines into a viewer’s eyes, leading to difficulty in reading content as well as excessive squinting by the user. This can become very uncomfortable and distracting for teachers and students alike.

Reflected images on the screen make it challenging for students to see, to take notes and most importantly to remain focused. This directly impacts the quality of teaching and learning.

BenQ Anti-glare Display
The anti-glare treatment applied to the RP Series’ glass surface reduces reflection, giving students the best viewing experience in the classroom. The result is more legible text and clearer images, avoiding eye strain and facilitating more effective instruction.

Free your eyes from flickers
What you see is not all that you get. Though LCD displays provide a constant image compared to CRT displays, this image is delivered by rapid pixel color changes from one to another through the backlight. The more constant the image looks, the faster the backlight flickers. A conventional display may flicker around 200 times per second yet remain invisible to the human eye!

Now, your eyes may not see flickers, but they can feel them when there’s a significant change in the brightness of light. These flickers make you over work your eyes, unknowingly straining them every second, causing CVS-related symptoms and even back pains!

BenQ Anti-glare Display
BenQ Anti-glare Display

BenQ TÜV-certified Flicker-free technology
Our Flicker-free technology enables an exclusive design that removes LED backlight flickering and brings forth a zero flickering viewing experience. This effectively reduces CVS-related eye problems and helps alleviates any discomfort caused by looking at the screen all day.

BenQ TÜV-certified Low Blue Light technology
Low Blue Light technology deals with everyday problems of blue-light exposure and allows for healthier time spent in front of the display, effectively lowering any harm caused by blue spectrum light. Teachers make good use of this function to create the best and most comfortable viewing experience for themselves and their students.

BenQ TÜV-certified Low Blue Light technology

Studies show that blue light originating from the sun, from displays and from fluorescent lamps may have adverse health effects on the human body. This is alarming for teachers and students who are under constant exposure of such light sources.

Harmful blue light emissions not only lead to the early onset of macular degeneration but may also disrupt the secretion of melatonin. This in turn causes much more extensive problems ranging from insomnia and migraines to lupus, diabetes, and even certain types of cancer.

TÜV Rheinland certified product testing
Both Flicker-free technology and Low Blue Light technology have been rigorously tested by world-renowned TÜV Rheinland experts for true effectiveness on eliminating flickering and effectively reducing low blue light emission by our displays.

What’s Computer Vision Syndrome?

BenQ TÜV-certified Low Blue Light technology

BenQ TÜV-certified Flicker-free technology

BenQ Anti-glare Display

BenQ RP Series

Conventional displays flicker 200 times per second! That’s 5,760,000 flickers received by the human eye after 8 hours of display use!
Readability Matters

Get the Best Viewing Quality with 4K Ultra HD Resolution

In search of the best viewing experience for students in class, BenQ RP Series interactive flat panels are designed to support resolutions up to stunning 4K Ultra HD. By doubling the horizontal and vertical resolution, the RP Series is guaranteed to capture the finest details with 4 times higher pixel density*. This can help educators grab students’ undivided attention throughout the class with the highest text readability and image clarity.

*RP750K, RP790 and RP840G can support resolution up to 4K2K.

4K ultra HD resolution for stunning image clarity

A visually compelling 4K Ultra HD image performance does more than capture students’ attention. It also ensures the highest viewing clarity for subjects that require visual demonstration of detail-oriented images, such as Biology, Chemistry and Fine Arts.

Display readability rule of thumb for PPI vs. display size

Pixel density has a big impact on readability. After brightness and contrast, pixel density impacts readability more than any other attribute of a flat-screen electronic display. Pixel density is measured in pixels per inch, or PPI. According to research done by Delft University of Technology in the Netherlands, the best viewing quality is obtained at 30 PPI or better.

<table>
<thead>
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<th>SIZE (inch)</th>
<th>W (cm)</th>
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<td>52</td>
</tr>
</tbody>
</table>

3× PPI vs. the others

BenQ RP750K, RP790 and RP840G with 4K Ultra HD resolution have a pixel density over 50 PPI, three times the PPI of mainstream interactive whiteboards with similar size.
Little Things that Make a Big Difference

Thoughtful design that helps foster flow in the classroom

Effective teaching and learning cannot take place in a poorly managed classroom where teachers have to struggle with classroom technology. This is why we have designed our interactive flat panels to better facilitate the teaching process, ensuring that teachers can teach smoothly throughout their class without interruption.

Teacher friendly design

For uninterrupted teaching, BenQ has integrated several features into the display’s design for quick and easy access.

- **Magnetic Area**: Situated at the lower bezel of the RP Series, the magnetic area allows you to attach your NFC Pen on the display for easy storage.

- **NFC Sensor**: The NFC sensor is located at the lower bezel of the RP Series. With a simple tap of NFC Pen, you can instantly activate the EZWrite3.0 annotation app.

- **Hotkeys**: For volume and input source control, as well as functions that help direct students’ attention back to their teacher:
  - Blank to darken the screen
  - Freeze to pause the screen (available with remote control)

- **Multimedia I/O interface**: Offering every port needed for teaching, from HDMI to touch USB, media USB, OPS USB and MHL ports, plus an earphone and microphone jack.
Instant plug and play

The RP Series can save you from the hassles of complicated setup. Simply connect to a PC via USB and you’re all set to deliver compelling IFP touch-enhanced lessons.

Accessories

- **Trolley**
  - RP552H/RP653/RP703/RP750/RP750K/RP840G
  - RP790

- **Wall mount**
  - RP552H/RP653/RP703/RP750/RP750K/RP840G
  - RP790

- **Touch pen**
  - RP790

- **NFC Pen**
  - RP653/RP703/RP750/RP750K

- **QCast HDMI streaming dongle**

- **Wireless content streaming from any smart device**

Plug in BenQ’s QCast HDMI Streaming Dongle to enhance multimedia sharing! With the accompanying QCast software, teachers can stream digital contents stored in an iOS or Android smart device onto the big screen. They can even use the remote control installed on their smart device to control the playback of a video, movie, document, website or live video. Other ways of connection include Miracast mirror display, cloud streaming via DLNA or local file display with Wi-Fi connection.

20-point multi-touch interactivity

The leading pioneer on the market, the RP Series supports multi-touch capability up to 20 points*, allowing more students to participate in discussion at once. Students can do all sorts of highly engaging activities such as creating artwork to playing the piano together and more. *RP653, RP703 and RP750, RP750K can support 20-point multi-touch capability.

**Switch input source by touch**

Instead of using a remote control, teachers can easily switch between different input sources by touch. It’s time saving and hassle free.

Pen tray

A pen tray provides a handy place to keep IFP stylus and other tools that enhance a presentation, providing fast access and avoiding needless interruption. (available with the RP790)

No manual installation or setup needed

*Supported Mac OS:
- OS 10.10 and 10.11 require no manual driver installation or setup for touch function.
- OS 10.6 to 10.9. It is recommended that you perform screen calibration before using the IFP to make sure that the touch function works properly. Please contact BenQ for the required calibration utility.

1080p image quality at 30fps transmission speed

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The Gate to Open Sharing:
It’s Ultimately about Enriching Learning

BenQ’s interactive flat panel is designed for versatility, accessibility and compatibility. We believe the RP Series should be an open platform that allows teachers to utilize the devices, software solutions and resources of their choice to enrich every lesson they have prepared for their students. Ultimately, the implementation of interactive educational technology is to empower teachers and motivate learning through creating a learning environment that fosters interaction, collaboration and cooperation.

Multi-platform compatibility

Compatible with major operating systems from Windows to Mac, Linux and Chrome, the RP Series is built to work seamlessly with a wide range of computing devices. Just plug and play. It’s touch driver-free so there’s no need to install additional touch drivers to enable the touch function of the operating system supported by the RP Series.

Multiple multimedia device connectivity

The RP Series comes with every port needed for teaching, from HDMI to Touch USB, media USB and OPS USB ports*, and an earphone and microphone jack. These interactive flat panels are also connectible to computing and smart devices via Mobile High-Definition Link (MHL) and BenQ’s QCast HDMI streaming dongle, enabling seamless wireless streaming and mirroring of a variety of multimedia resources and digital contents.

*OPS USB ports is available with the RP790 only.

Mainstream interactive educational software solution compatibility

The RP Series is highly compatible with mainstream interactive educational software, so teachers can work with the software tools of their choice while getting the best hardware experience from BenQ.

Custom Android™ OS for the classroom

To provide teachers with access to more online resources, the RP Series is built with a custom Android OS that comes with useful apps for classroom instruction, from EZWrite3.0 to WPS Office, Web Browser, and Media Player. Simply connect the interactive flat panel to a LAN cable or Wi-Fi dongle to access the Internet. This custom platform puts schools in full control over the IFP by preventing downloads and use of unauthorized apps. This in turn minimizes unanticipated damage or breakdowns.

Android is a trademark of Google Inc. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

WPS Office to display Microsoft Office documents and PDF files

EZWrite3.0 for easy annotation with these apps

Web Browser to utilize more online resources

Media Player to display images and play videos
Prepare Your Class with Great Efficiency

Enhance class preparation efficiency with QTouch annotation software. Offering Windows-compatible teaching templates for a wide variety of subjects, QTouch allows you to design classroom materials right on your PC at anytime. By plugging your PC into the RP Series, you can engage students with customized content on the display. To further enhance on-screen collaboration, QTouch provides annotation tools with multi-touch support that allow you to co-create documents together with students.

Things to love
- Free teaching templates available for various teaching scenarios.
- Windows compatibility allows you to design teaching materials right on your PC.
- Activate Annotation mode to create notes with various tools over diverse files on PC.
- Annotation recording for easy sharing and later lecture review.

At Your Disposal
Handy classroom instruction tools selected to enrich every lesson plan

WPS
Tap to launch this software to open Microsoft documents and PDF files.

Browser
Click on this button to explore and utilize vast online resources that can be added into the lesson for a more engaging discussion.

File manager
Type in the file name to quickly pull out the lessons or presentations needed for teaching or sharing.

Multimedia player
There is no need for additional stereo systems in class. This app allows you to share photos, music and videos right from the interactive flat panel.

Omnitapps Showcase
Multi-touch application for interactive classrooms

Omnitapps Showcase allows teachers and students to play games that facilitate learning, display images with extra detailed information behind interactive buttons, ask questions in an interactive quiz format, use a video carrousel for educational videos, and more.

Whiteboard
An integrated interactive whiteboard application used to capture the attention of your students. It allows users to save all the remarks and notes made for sharing later.

MediaViewer
MediaViewer allows users to easily select the files they want to show using a thumbnail menu on the bottom of the screen. Users can rotate and scale images, videos and PDF documents with a touch.

MediaSwipe
This new slider application allows users to select a selection of image and video files with swipe functionality to the class. With the navigation bar at the bottom of the screen, users can easily navigate to the desired file.

Screen mirroring
Mirror any content from the classroom PC or Mac to a student's device. You can also mirror any content from an iOS device onto the big screen.

Personalized notes
Students can capture the lecture or lesson on their device and personalize it by adding their own notes without the need for a separate note-taking app.

Real-time collaboration & sharing
Now students can contribute to and collaborate with their teacher's slides using their device. DisplayNote lets the class collaborate on a shared whiteboard and save the annotations and presentations made during the session.

Display Management Support
BenQ RP Series comes installed with display management software, giving you one-step tools to easily manage and set up interactive flat panels with minimal cost and effort.

Multiple Display Administrator (MDA)
Remotely control your displays with MDA via LAN or RS232. It's an effective way to lower TCO and energy consumption for your operation.

EasySetting
Install Android™ apps for a selection of displays through BenQ cloud server EasySetting can save you from repetitive manual installation work.

Over-the-Air Update (OTA)
Upgrade your displays with the latest BenQ firmware via BenQ’s OTA update support to keep them running smoothly at all times.
Smart Annotation Tools, Healthcare Solution & TCO Friendly
The Best Interactive Display Device Choice for Schools

BenQ RP Series is designed to tap into the dynamic possibilities of the classroom and help teachers build a healthy and engaging learning environment. With proficient annotation tools and stunning 4K viewing experience, the BenQ RP Series fosters teamwork and encourages lively classroom discussion. It is teachers’ ultimate partner to achieve a touch-enhanced, smooth and fun learning experience.

1. EZWrite 3.0 Fun and Easy Annotation App
   Catch and share ideas with ease. Inspire participation without delay.

2. NFCPen with Tap-and-Write Simplicity
   Tap your NFCPen on the NFC sensor and you’re ready to write colorful notes.

3. Better for Health
   The germ-resistant AG+ Screen effectively restrains bacteria build-up in your classroom.

4. Eye Caring
   Eye health protection with an eye-care display that is glare-free, flicker-free, and low in blue light emission.

5. Multiple Display Administrator (MDA) Software Compatibility
   Manage your displays easily via the local network or serial port, saving you time, money, and labor.

6. Over-the-Air (OTA) Update and EasySetting
   Keep All Displays in Prime Shape
   With EasySetting one-time app configuration and Over-the-Air (OTA) firmware update, the RP Series guarantees hassle-free app installation and smooth operation at all times.

7. Reliable Performance with No Hidden Costs
   No light bulbs to change. No filters to clean. Significantly lower the TCO for your school with robust durability.

8. Save Time with Ultra-Simple Installation
   Just plug and play. No extra setup required. The RP series is ready to work when you are.

9. Durable Touch Support up to 20 Points
   20-point multi-touch screens powered by infrared technology provide unparalleled reliability.

10. Configurable with Classroom AV Control Systems
    Easily integrate RP series with your existing media link controller for centralized AV switching and easy control.

Advantages of Interactive Flat Panels

Top 10
Inspire Learning with BenQ RP Series

We believe that hardware and software play equally important roles in bringing the best interactive learning experience into the classroom. This is why we’ve made our RP series the most versatile display choice for classrooms nowadays.

Operating System:
Android™ with pre-installed annotation and office apps

Software:
EZWrite 3.0, Omnitapps, DisplayNote, MDA, EasySetting, OTA, QTouch

Accessories:
Touchpen (stylus), touch USB cable, quick start guide, VGA cable, power cord, remote control

RP552H
55"

RP653
65"

RP703
70"

RP750/RP750K
75"

RP790
79"

RP840G
84"

- Intuitive to use
- Simple to manage
- Eye-caring
- TCO friendly
<table>
<thead>
<tr>
<th>Package/Accessory</th>
<th>RP552H</th>
<th>RP653</th>
<th>RP703</th>
<th>RP750/RP750K</th>
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