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65" HD Interactive Blackboard



Touch-enabled HD Classroom Display with built-in whiteboard and document reader

At BenQ we are committed to empowering educators with the best interactive classroom display technology. Further, we believe that hardware and software play equally important roles in promoting effective learning. This belief has driven the development of our RP653 65" HD interactive blackboard displays. These innovative panels are designed to support teachers by bringing to the classroom a truly interactive solution that engages students and promotes collaborative learning.

Subjects Easier to Explain

The BenQ RP653 touch interactive flat panel provides educators access to tools and resources never before available. With improved access to interactive online resources, teachers can now explain and illustrate subjects in ways students can more easily understand. This increases students' interest in the subjects at hand and improves the classroom experience.

Readability Matters

BenQ RP Series interactive flat panels are designed to help educators make a natural transition from traditional lecture-style teaching to truly collaborative learning. The RP653 features a large 65" High Definition classroom-ready display. It is large enough to replace existing blackboards, whiteboards and interactive whiteboards while providing crisp, bright text that is easy to read from anywhere in the classroom.

Key Features

- Large 65" diagonal display is the perfect size for the classroom.
- HD resolution displays easy-to-read text and graphics.
- Tempered anti-glare surface with a bacteria resistant coating enables everyone to clearly see the screen from anywhere in the room.
- Low blue light technology reduces eye fatigue.
- Powerful 20-watt audio allows lessons to be easily heard.
- Built-in Android OS EZWrite feature provides instant whiteboard functionality.
- EZPen feature with Near Field Communication (NFC) automatically selects pen color
- Includes built-in suite of educational games.
- Multiple Display Administrator software allows centralized remote display management.

Additional Features

- 20-point touch interactivity allows up to twenty students to collaborate simultaneously on solving problems.
- Interactive touch response is exceptionally fast and smooth.
- Touch gestures similar to tablets and smartphones enable zooming, clicking and rotating images.
- Infrared interactive technology provides maximum accuracy and dependability.
- Built-in Office document reader allows PC-free teaching.
- Combined pen- and finger-touch capability enables easy interaction with any content.
- Has driver-free touch interactivity when connected to PC, Mac, Linux and Chrome OS.
- Can display files directly from USB flash drive or the cloud.
- Compatible with SMART Notebook software.
- On-screen display menu uses touch to control the display with no remote control needed.
- Has 3 HDMI inputs for today's digital sources.
- Image is easily viewed under any lighting conditions.
- LED backlight provides bright, durable display illumination lasting 30,000 hours.
- Has 3 VGA inputs for legacy analog sources.
- Supports USB 3.0 and 2.0 for maximum speed and reliability.

SPECIFICATIONS

Panel	LCD Size	65"
	Light Source	LED
	Resolution	1920 x 1080 (pixels)
	Aspect Ratio	16:9
	Brightness	350 nits
	Contrast Ratio (typ.)	1,400:1
	Viewing Angle	178 degree (H) / 178 degree (V)
	Color Gamut (x% NTSC)	TBD
	Frame Rate	60 Hz
	Response Time (ms)	6ms
	Panel Bit	TBD
	Light Life	30,000 hrs (typ.)
Touch Solution	Orientation	Landscape
	Touch Technology	IR
	Number of Touches	Multi-touch up to 20 touches
	Touch Interface	USB x 1
Cover Glass	Resolution	32767 x 32767
	Thickness	Tempered, 4 mm
	Hardness	7H
Speaker Interface	AG Coating	80%
	Built-in Speaker	20W
	Power (AC) Inlet	x 1
Speaker Interface	Audio Line-in	x 3
	Composite Video	x 1
	Composite Audio	x 1
	D-sub	x 3
	Type A HDMI	x 3
	Type A (USB Playback)	Yes (x 4; USB2.0 x 3; USB3.0: x 1)
	RS232	x 1
	LAN	x1
	D-sub	x 1
	Earphone	x 1
	COAX	x 1
	NFC Reader/Writer	x 1
	IR Receiver	x 1
	Internal Spk	10W x 2
	Line Out(3.5mm)	x2
	MIC (3.5mm)	x1
	Line in (3.5mm)	x1
	COAX Output	x1
	NFC Reader/Writer	x1
	IR Receiver	x1
Mechanical	VESA Mount	600x400
	Dimension (WxHxD) (Without Packing / With Packing)	TBD
	Net Weight/Gross Weight	TBD
Power	Power Supply	AC100 to 240V, 50 to 60 Hz
	Power Consumption	<361W
OSD	On-Screen Display Languages	EN / EF / SP / EP / CN / TC / GM / DT / PL / RS / CZ / DN / SW / IT / RM / FN / NG / GK / TK / AB / JP (21 Languages)
Accessory	Remote Control w/ Battery	x 1
	Power Cord (by region)	x 4
	Touch Pen	x 2
	Quick Start Guide	x 1
	Audio Cable	x 1
	Touch Cable (USB to USB)	x 1
Number	VGA(D-sub 15pin) Cable	x 1
	BenQ Part Number	9H.F2YTC.DE2
Warranty	UPC Code	8400460-3478-8
	Warranty	3-year
Features	Android built-in, Image Setting, VGA Daisy Chain, Sharpness Enhancement, HDMI-HDCP, HDMI-MHL, Freeze/ Blank, Front I/O, ZeroFlicker, Low Blue Light	



HIGHLIGHTS

HD Resolution for Stunning Image Clarity

A visually compelling HD image resolution does much more than just capture students' attention. It also ensures the highest level of viewing clarity for subjects such as biology, chemistry and fine arts that require visual demonstrations of detail-oriented images.

Low Blue Light

Studies show that blue light originating from digital displays such as smartphones and tablets, as well as from fluorescent lamps, can have adverse effects on our eyes and the human body. This blue light may cause eye discomfort which can lead to eyestrain, lack of focus and even mental fatigue. BenQ displays feature a Low Blue Light mode to effectively eliminate blue light emissions, enabling teachers' eyes to remain focused and refreshed, even after prolonged use.

ZeroFlicker for Refreshed Eyes

The image on conventional displays flickers at up to 200 times per second to achieve the desired brightness level, creating a level of visual noise that your eyes cannot see but can certainly feel. This visual noise can cause eyestrain, eye fatigue and discomfort. BenQ displays use ZeroFlicker technology, an exclusive direct lighting method that delivers steady, smooth lighting to keep teachers' and students' eyes comfortable and refreshed, even after long hours of use.

Anti-Glare Tempered Glass with Bacteria Resistant Coating

Screen glare shining in students' eyes can lead to difficulty reading content, which can lead to lack of attention or focus. This can become very uncomfortable and distracting for teachers and students alike. BenQ RP Series displays use strong, durable, high-quality 4mm anti-glare tempered glass to minimize reflections and produce easier to read text with clearer images on the screen, which helps students absorb more of the class material being presented. The glass also features a bacteria resistant layer that helps sanitize the screen surface.

Instant Touch Interactive Functionality

Conventional displays can require complicated computer driver installations before enabling touch functionality. BenQ RP Series displays feature driver-free touch interactivity, enabling drivers to be automatically loaded in the background with no complications and no hassles. Simply connect the computer to the display's touch USB port and you are ready to deliver a touch-interactive lesson. This feature supports PC, Mac, Linux and Chrome operating systems.