HD Interactive Blackboards

RP653 | RP703 | RP750

Interactive Classroom

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 RP Series 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 RP Series touch interactive flat panels provide 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 HD classroom ready displays are 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

- HD resolution display makes text and graphics easy to read.
- 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 4 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.

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Because it matters

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SPECIFICATIONS

		RP653	RP703	RP750
Panel	Panel Type, Size	TFT LCD, 65"	TFT LCD, 70"	TFT LCD, 75"
	Resolution	1920 x 1080 (pixels)		
	Aspect Ratio	16:9		
	Brightness	350 cd/m²	300 cd/m²	400 cd/m2
	Contrast Ratio (typ.)	1,400:1	4,000:1	5,000:1
	Viewing Angle	178 degrees Horizontal / 178 degrees Vertical		
	Frame Rate	60 Hz		120 Hz
	Response Time (ms)	6ms	8ms	6ms
	Backlight Type, Lifetime	LED, 30,000 hrs		LED, 50,000 hrs
Touch Solution	Touch Technology	Infared (IR)		
	Number of Touches	Multi-touch up to 20-point touch		
	Touch Interface	USB Type B x 1		
	Touch Resolution	32767 x 32767		
Cover Glass	Thickness	Tempered, 4 mm		
	Hardness	7H		
	Properties	Anti-Glare/ Anti-Friction/ Bacteria-Resistant Layer		
Speaker	Internal Speaker(s)	2 x 10W		
Input/ Output Interface	HDMI input(s)	HDMI 1.3 x 3, 1 with MHL		
	D-sub Input(s) (VGA)	x 3		
	Composite Video Input(s)	x 1 (via 3.5mm AV Input Jack)		
	Audio Input(s)	x 3 (VGA Sources)		
	USB Input(s)	x4 (USB 2.0 x3 and USB 3.0 x1)		
	RS232	x 1		
	LAN	x 1		
	Audio Output(s)/ Earphone	x 1		
	NFC Reader/Writer	x 1		
	COAX Output(s)	x 1		
	IR Receiver(s)	x 1		
	Power, AC Line in	x 1		
Mechanical	VESA Mount	600x400		600x600
	Dimensions (WxHxD)	60" x 36.4" x 3.9" 1523mm x 924mm x 98mm	65.5" x 40" x 3.9" / 1665mm x 1015mm x 98mm	70" x 41.4" x 3.9" 1775mm x 1051mm x 99mm
	Net Weight/Gross Weight	101.5 lbs / 125.7 lbs 46 kg / 57 kg	121.3 lbs / 149.9 lbs 55 kg / 68 kg	187.4 lbs / 231.5 lbs 85 kg / 105 kg
Power	Power Supply	AC100 to 240V, 50 to 60 Hz		
	Power Consumption	211 Watt	222 Watt	297 Watt
OSD	On-Screen Display Languages	English/ Spanish/ French (21 Languages)		
Accessory	Remote Control w/ Battery	x 1		
	Power Cord (by region)	x 4		
	NFC Pen / Stylus	x 2		
	Quick Start Guide	x 1		
	Audio Cable	x 1		
	Touch Cable (USB A to USB B)	x 1		
	VGA(D-sub 15pin) Cable	x 1		
Number	UPC Code	8400460-3478-8	8400460-3475-7	8400460-3425-2
	BenQ Part Number	9H.F2YTC.DE2	9H.F2VTC.DE2	9H.F2JTC.DE2
Warranty	3-years Onsite			
Features	Integrated Android OS 4.2.1, 1.5GB RAM, 8.0GB ROM, Integrated EZWrite, Integrated Educational Tools, HDMI-HDCP, HDMI-MHL, Freeze/ Blank, Front I/O, ZeroFlicker, Low Blue Light, Multiple Display Administrator Software, easy setting for Android APP upload, Picture in Picture			

HIGHLIGHTS

HD Resolution for Remarkable Image Clarity

A visually stunning HD image resolution does much more than just capture students' attention. It also provides a high 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.

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