RP790 | Unique Size Interactive Flat Panel

Features

- 79" Interactive Touch
- Native Full HD 3840 x 2160 Resolution
- 1,400:1 Native Contrast Ratio
- Up to 10 Touch Points
- Android Build In
- 5 ms Response Time, MHL

Highlights

Total Eye-Care Solution
Designed with teacher's comfort in mind, the RP790 is equipped with features that help minimize eye strain, enabling teachers to be more refreshed after long periods of use. ZeroFlicker provides a smooth, steady backlight illumination, Low Blue Light technology reduces the amount of blue light spectrum emitted by the display and Anti-Glare eliminates unwanted reflections on the screen.

	Flicker Free		Low Blue Light Content	
TÜVRheinland CERTIFIED	www.tuv.com ID 0000041027		TÜVRheinland CERTIFIED	www.tuv.com ID 0000043610

Perfect Size in the Classroom
The RP790, being 98cm in height and 174cm in length, offers a classroom-ready size closest to standard blackboards. So teachers can make the transition to teaching with an interactive flat panel naturally, and schools can save on installation, labor, as well as future maintenance costs.

4K Resolution
With a stunning 4K resolution, the RP790 boasts a pixel density of 55 PPI (Pixels Per Inch), which is three times the PPI of today's mainstream interactive whiteboards in the 77" to 79" size range. Every student in class can now enjoy the highest image clarity.

Multi-Platform Compatibility
Compatible with Windows, Mac, Linux and Chrome operating systems, the RP790 works seamlessly with a wide range of computing devices. just plug and play. It's touch driver-free.

Teacher Friendly Front Bezel Design
For uninterrupted teaching, BenQ has build several features into the front bezel for quick and easy access.
- Hotkeys for Freeze and Blank features, as well as volume and input source control
- Multimedia I/O interface that includes every port needed for teaching, from HDMI to Touch USB, media USB and OPS USB ports, and an earphone and microphone jack
- Protective cover to keep away curious hands while giving the IFP a stylish look
- Multi-touch ports including two USB ports, one set on the front bezel, for connecting up to two devices at the same time

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.

Custom Android OS for the Classroom
The RP790 features a custom Android OS that comes with various useful apps for classroom instruction, from WPS Office to web Browser, EZWrite and Media Player. This closed platform puts schools in full control over the RP790, ensuring the proper use of the IFP by preventing downloads and use of unauthorized apps. This in turn minimizes unanticipated damages or breakdowns.

Specifications

Category	Item	Value
Panel	LCD Size	79"
	Light Source	Edge LED
	Active Area (mm)	1739.52 x 978.48mm
	Resolution	3840 x 2160 (pixels)
	Aspect Ratio	16:9
	Brightness	430cd/m² nits (typ.)
	Contrast Ratio (typ.)	1400:1 (typ.)
	Response Time (ms)	5ms (typ.)
	Pixel Pitch	0.453 mmx 0.453 mm
	Frame Rate	120Hz
	Viewing Angle	178 degree (H) / 178 degree (V)
	Light Life	30,000 hrs (typ.)
	Color gamut (x% NTSC)	72%
	Panel Bit	10 bit, 1073.7 M
Platform Solution	CPU	ARM Cortex A7, 1.2GHz quad core
	System Memory	1GB DDR3
	Storage	4GB
	OS	Android 4.2.2
Power	Voltage	100 V ~ 240 V, 50-60 Hz
	Maximun (Watt)	<250W (TBD)
	Typical (Watt)	No
	Standby (Watt)	≤0.5W
	Power Off (Watt)	≤0.5W
Touch	Touch points	10 points simutaneously
	OS supported	Win XP, Win Vista, Win 7, Win 8, Mac 10.6~10.10, Linux, Chrome OS 34.0.1847.134
	Touch Driver Free	Yes; separated driver for Mac 10.10
Glass	Tempered glass	4mm (Anti glare 80%)
	Operation Temp (dC)	0°C ~ 40°C
	Storage Temp (dC)	-10°C ~ 60°C
	Storage Humidity	10% ~ 90% RH Non-Condensing
	Operating Humidity	20% ~ 80% RH Non-Condensing
	Display Orientation	Landscape
	Usage (hrs/days)	18 hours/days
Audio	Audio Input (L/R, RCA)	x1
	Audio Output (L/R, RCA)	x1
	Internal Spk	10W x 2
	Line out(3.5mm)	x2
	MIC (3.5mm)	x1
	Line in (3.5mm)	x1
	COAX output	x1
AC Power	Power (AC) Input	x1
	Power switch	x1
I/O	VGA In	x1
	HDMI Input	x5 (3 x 1080P; 2 x 4K2K)
	HDMI Output	x1
	Composite video In (BNC)	x1(RCA)
	Composite video Out (BNC)	x1(RCA)
	Component In (YPbPr, RCA)	x1(RCA)
	USB port (for USB playback)	x2
	USB port (PC)	x 2 (for OPS)
Control	RS232 Input	x1
	RS232 Output	x1
	RJ45 Port	x1
	FW Update	USB / On the air
	OPS/Option board slot	OPS
ME	Weight (without / with packing)	200 lbs / 246 lbs
	Dimension (WxHxD)	72.7" x 43" x 3.7" / 83.2" x 55" x 14"
	Bezel Width (T/B/L/R)	35/56/35/35 mm
	Wall Mounting	VESA standard; 600x400 (M8)
	VESA Hole (for Media Player)	100 x 100 (M4)
	OPS/Option board slot	Yes
	Pen Tray	x1
	Handle	x4
Language	OSD	EN/EF/SP/EP/CN/TC/GM/DT/PL/RS/CZ/DN/SW/IT/RM/FN/NG/GK/TK/AB/JP (21L)
Accessory	Remote Controller	X1
	PWR Cord (by region)	1.8 meter, detachable, black color. RoHS compliance.Cable length follow BenQ sku list
	VGA Cable	Yes(1.5M)
	Quick start guide	x1
	USB Cable (Touch)	x1 (5M)
	Touch Pen (Stylus)	x2
Software Compatible	Multiple Display Administrator	Yes
	Chalk Board APP	Yes
	WPS (office viewer APP)	Yes
Embeded OS	OSD menu with touch enable	Yes
Number	UPC Code	8400460-3246-3
	BenQ Part Number	9H.F1VTK.DE2
Warranty	Warranty	3-year
Features		Android build in, Image Setting, Digital Daisy Chain, RS232 Control Daisy Chain, Sharpness Enhancement HDMI-HDCP, HDMI-MHL, Freeze/ Blank, Front I/O, Flicker Free, Low Blue Light