

ProjectorsDigital Cameras
& CamcordersLED LightingLarge DisplayLCD MonitorsSmart Display

TL650



For High-Impact Presentations

For education and corporate applications, BenQ TL650 is designed to combine high dynamic contrast ratio with touch technology and multimedia connectivity to transform ordinary presentations into powerful, impactful experiences.

Specification

Display

LCD Size	65"
Light Source	LED
Resolution	FHD 1920 x 1080
Aspect Ratio	16:09
Brightness (typ)	360 nits
Native Contrast Ratio (typ)	4000:1 (typ.)
Response Time (ms)	8ms
Frame Rate	60Hz
Viewing Angle	178 degree (H) / 178 degree (V)
Color gamut (x% NTSC)	72%
Panel Bit	8-bit

Power

Voltage	100 V ~ 240 V, 50 / 60Hz
Maximun (Watt)	<310 W
Standby (Watt)	<0.5W

Touch

Technology	Optical Dual Touches (for Win7 only)
Resolution (points area function)	32767 x 32767
Capacity	2 simultaneous touches
Touch Output	USB 2.0
PC	Support Window XP, Window Vista, Window 7
Accuracy	+/- 6mm over 95% of touchable area

Audio W (Amp)	12W x 2
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I/O Connection

Line in	Yes
Power (AC) Input / Output	Yes
Audio Output (L/R, RCA)	Yes
External Speaker Out (L/R)	Yes
Audio Input (L/R)	Yes (2 sets input)
HDMI In	Yes
DVI In \ Out	Yes \ Yes
VGA In \ Out	Yes
USB (Touch to External PC)	Yes
RS232 Input \ Output	Yes
Component In (YPbPr, RCA)	Yes
S-Video In	No
Composite video In \ Out (BNC)	No
Display Port Input	Yes

Mechanical

Weight (kg) (without packing/with packing)	71.5 / 81.5 kg
Dimension (WxHxD)	1515.8 x 888.6 x 114.15mm
Bezel Width (T/B/L/R)	41.6 x 38.8 x 41.6 x 41.6mm
Wall Mounting	4 Holes (400 x 400mm)

Feature

Sharpness Enhancement	Yes
Proof of Image Retention	Yes
Diming Control (DCR)	No
Picture in Picture (PIP)	No
De-Interlacing / Comb Filter	Yes
10 Bit Color processing	Yes
Build-in Video Wall Support	Yes
Scheduling	Yes
Ambient Light Sensor	Yes
Total turn-on time	Yes
Diagnostic DC voltage (12v/5v)	No
Internal Temperature Sensor	Yes

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