

Philips Signage Solutions
Multi-Touch Display

55"

Edge LED Backlight
Full HD

BDT5551EH



More audience interaction

with the touchscreen 140-cm (55") LED Display

Deliver vital information or marketing messages to your audience in startling clarity. And thanks to the interactive touchscreen, you can also engage your customer much more closely than ever before.

Lower total cost of ownership

- SmartPower for energy saving

Optimised for public viewing

- Full HD LCD display, 1920 x 1080p
- Edge LED Backlight
- Slim bezel design for a stylish look

Operational flexibility

- Open Pluggable Specification Slot
- Optical touch technology for advanced user interaction
- Compatible with all leading operating systems
- Smart insert in the back cover to place a small PC
- USB Plug-and-Play compatible
- 2 simultaneous touch points

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Highlights

Full HD LCD display 1920 x 1080p

This display has a resolution that is referred to as Full HD. The state-of-the-art LCD screen technology has the full high definition widescreen resolution of 1080 progressive lines, each with 1920 pixels. This allows the best possible picture quality for HD input signals with up to 1080 lines. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

Edge LED Backlight

Experience an even dispersion of light with cutting edge LED technology. White LED's (light emitting diodes) are positioned around the rim of the panel to give a more even spread of light. This results in even lower power consumption, less heat to dissipate and a true, uniform colour range.

Slim bezel design

A slim bezel design adds a stylish look to a public display to nicely blend in with just about any environment. With the slim bezel design it is easy to integrate the display in any interior or application.

Optical multi-touch

The sensors on the edge of the screen give you perfect clarity whilst at the same time offering multi-touch interaction, opening up all kinds of possibilities for new interactive applications.

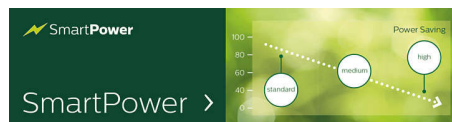
2 simultaneous touch points

Enjoy amazing functionality with 2 simultaneous touch points on this touch display. More flexibility and optimum performance couples with excellent operability opportunities to give you the ultimate in user interaction.

USB Plug-and-Play compatible

Simply connect the display via USB to your media player for automatic touch recognition. The USB connector is HID compliant, providing true plug-and-play operation.

SmartPower



The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

OPS Slot

Developed for the Digital Signage market, the Open Pluggable Specification (OPS) slot is designed to make changing or upgrading your media player mere child's play. Simply plug your media player in to the display and you're ready. No matter whether you have an entry level, mid-range or high-end media player, OPS is fully compatible bringing you a lower TCO over the longer term.

Smart Insert

Professional PCs are part of most public signage installations. Quite often they increase the overall depth of the display and cause a lot of cable clutter. So we have designed this display with Smart insert in the back cover, which is ideal for the integration of a professional small form factor PC. On top of that, the cable management system offers a great solution to keep your cables neat and professional-looking.

Software compatibility

Our touch displays are software-independent and support Windows 8, Windows 7, Vista, XP, Mac OS and Linux.



Specifications

Picture/Display

- Diagonal screen size (metric): 138.6 cm
- Diagonal screen size (inch): 54.6 inch
- Aspect ratio: 16:9
- Panel resolution: 1920 x 1080p
- Pixel pitch: 0.21 x 0.63 mm
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Display colours: 1.07 Billion
- Contrast ratio (typical): 4000:1
- Response time (typical): 6.5 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

Connectivity

- PC: VGA-in D-Sub 15HD, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1, RJ45, VGA-out (via DVI-I)
- AV input: Composite (BNC) x 1, Component (BNC) x 1, DVI-D x 1
- AV output: Audio (L/R) x 1
- Other connections: AC-out, Display Port, DVI Out, External loudspeaker connector, HDMI, IR out, OPS, USB

Convenience

- Placement: Landscape, Portrait
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Signal loop through: RS232, VGA, DVI, IR Loop through
- Ease of installation: AC Out, Smart Insert
- Energy-saving functions: Smart Power
- Other convenience: Carrying handles
- Safety control functions: Heat Control, Temperature Sensor
- Network controllable: RS232, HDMI (One Wire), RJ45

Sound

- Built-in speakers: 2 x 12 W RMS

Power

- Mains power: 90 ~ 264 VAC, 50 ~ 60 Hz
- Consumption (Typical): 110 W
- Standby power consumption: <0.5 W

Supported Display Resolution

- Computer formats: 640 x 480, 60, 67, 72, 75 Hz, 1024 x 768, 60 Hz, 1280 x 768, 60 Hz, 1280 x 800, 60 Hz, 1360 x 768, 60 Hz, 1366 x 768, 60 Hz, 1440 x 900, 60 Hz, 1600 x 1200, 60 Hz, 1920 x 1080, 60 Hz, 1920 x 1200, 60 Hz, 1280 x 1024, 60 Hz, 800 x 600, 60, 72, 75 Hz
- Video formats: 480i, 60 Hz, 480p, 60 Hz, 576p, 50 Hz, 576i, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz, 1080p, 50, 60 Hz

Dimensions

- Box depth: 280 mm
- Box height: 980 mm
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm
- Box width: 1480 mm
- Set Width: 1273 mm
- Product weight: 47 kg
- Set Height: 745 mm
- Set Depth: 80.5 mm
- Wall Mount: 400 x 400 mm, 400 x 200 mm, 200 x 200 mm
- Bezel width: 29 mm
- Weight incl. Packaging: 55.5 kg

Operating conditions

- Temperature range (operation): 0 ~ 40 °C
- MTBF: 60,000 hour(s)
- Relative humidity: 20 ~ 80 %
- Temperature range (storage): -20 ~ 60 °C

Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Optional accessories: Multi User Touch SW, Tabletop stand

Miscellaneous

- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese, Spanish
- Warranty: 3-year warranty

Interactivity

- Multi-touch technology: Optical sensing
- Touchpoints: 2 simultaneous touch points
- Plug and play: HID compliant
- Protection glass: 5 mm tempered safety glass



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