Philips Signage Solutions
Multi-Touch Display

55"
Edge LED Backlight
Full HD

SignageSolutions

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 closer than ever before.

Optimized for public viewing
• Full HD LCD display, 1920x1080p
• Edge LED Backlight
• Slim bezel design for a stylish look

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

Lower total cost of ownership
• SmartPower for energy saving

PHILIPS

Highlights

Full HD LCD display 1920x1080p

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 colors. 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 color range.

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 couple 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 mediaplayer 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 PC's are part of most public signage installations. Quite often they increase the overall depth to 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 supports Windows 8, Windows 7, Vista, XP, Mac OS and Linux.

Full HD 1080p DISPLAY   LED   SmartPower   Smart Insert   Lead Free

Specifications

Picture/Display
- Diagonal screen size: 54.6 inch / 138.6 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 4000:1
- Response time (typical): 6.5 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 178 / 178 degree
- Pixel pitch: 0.21 x 0.63 mm
- Display colors: 1.07 Billlion
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

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

Connectivity
- PC: VGA-in D-Sub 15HD, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1, RJ45, VGA-out (via DVI-I)
- AV input: Composite (BNC) x1, Component (BNC) x1, DVI-D x1
- Other connections: AC-out, Display Port, DVI Out, External loudspeaker connector, HDMI, IR out, OPS, USB
- AV output: Audio (L/R) x1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
1024 x 768	60Hz
1280 x 768	60Hz
1280 x 800	60Hz
1360 x 768	60Hz
1366 x 768	60Hz
1440 x 900	60Hz
1600 x 1200	60Hz
1920 x 1080	60Hz
1920 x 1200	60Hz
1280 x 1024	60Hz
800 x 600	60, 72, 75Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	50, 60Hz

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

Dimensions
- Set dimensions (W x H x D): 1273 x 745 x 80.5 mm
- Bezel width: 29 mm
- Product weight: 47 kg
- VESA Mount: 400 x 400 mm, 400 x 200 mm, 200 x 200 mm
- Smart Insert mount: 100 x 100 mm, 100 x 200 mm
- Box dimensions (W x H x D): 1480 x 980 x 280 mm
- Weight incl. Packaging: 55.5 kg

Sound
- Built-in speakers: 2 x 12W RMS

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

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

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, Table top stand

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