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.

Optimised for public viewing
• Full HD LCD display, 1920 x 1080p
• 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 back cover to place a small PC

Lower total cost of ownership
• SmartPower for energy saving

PHILIPS

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.

Optical multi-touch
A brand new level of interactivity is now available thanks to integrated optical touch technology. 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: 54.6 inch / 138.6 cm
- Panel resolution: 1920 x 1080p
- 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 colours: 1.07 Billion
- 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 x 1, RJ45, VGA-out (via DVI-I)
- AV input: Composite (BNC) x 1, Component (BNC) x 1, DVI-D x 1
- Other connections: AC-out, Display Port, DVI Out, External loudspeaker connector, HDMI, IR out, OPS, USB
- AV output: Audio (L/R) x 1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
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

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

Convenience
- Placement: Landscape, Portrait
- Signal Loop Through: RS232, VGA, DVI, IR Loop through
- 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 12 W RMS

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

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, Tabletop stand

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