Philips Signage Solutions
Multi-Touch Display

42"
Edge LED Backlight
Full HD
Optical Imaging, 5 Touchpoints

SignageSolutions

BDL4254ET





Discover a new level of interaction

with this multi touch LED display

Get even closer to your audience than ever before. Fast, precise and extremely durable, its high performance is matched by excellent reliability and functionality.

Optimised for public viewing
- Full HD LED technology for brilliant images
- IPS wide view technology for image and colour accuracy

Supreme audience interaction
- True multi touch with 5 simultaneous touch points
- USB Plug-and-Play compatible
- Optical touch technology for advanced user interaction
- Compatible with all leading operating systems

Operational flexibility
- Open Pluggable Specification Slot
- Smart insert in the back cover to place a small PC
- Smart Control Software Suite
- Portrait mode operability
- Designed for 24/7 operation

PHILIPS

Multi-Touch Display
42" Edge LED Backlight, Full HD, Optical Imaging, 5 Touchpoints

BDL4254ET/00

Highlights

Full HD LED technology
White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

IPS Display Technology
Philips IPS displays uses an advanced technology, which gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle — even in portrait mode. IPS displays give you remarkably crisp images with vivid colours, particularly suitable for professional video wall and menu board applications, which demand colour accuracy and consistent brightness at all times.

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.

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.

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.

Smart Control
Control and manage all of the signage displays on your network with this powerful software tool, which allows you to change the settings of your display centrally via an RJ45 or RS232 connection. Smart Control allows you to set the video input, modify the colour settings, set the display's ID when creating video walls and even diagnose each display's status, giving you all the power you need to manage your displays from one central location.

Designed for 24/7 operation
Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.





















Multi-Touch Display
42" Edge LED Backlight, Full HD, Optical Imaging, 5 Touchpoints

BDL4254ET/00

Specifications

Picture/Display
- Diagonal screen size: 42 inch / 106.7 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 450 cd/m²
- Contrast ratio (typical): 1300:1
- Dynamic contrast ratio: 500,000:1
- Response time (typical): 12 ms
- Aspect ratio: 16:9
- Viewing Angle (H / V): 178 / 178 degree
- Display colours: 1.06 Billion
- Pixel pitch: 0.485 x 0.485 mm
- Surface treatment: Anti-Glare coating
- 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: 5 simultaneous touchpoints
- Plug and play: HID compliant
- Protection glass: 4 mm tempered safety glass

Connectivity
- Video input: DisplayPort (1.1a), HDMI, DVI-D, VGA (Analogue D-Sub), Component (RCA), Composite (RCA)
- Video output: DVI-I, VGA (via DVI-D)
- Audio input: Audio Left/Right (RCA), 3.5-mm jack
- Audio output: Audio Left/Right (RCA), External speaker connector
- External control: RJ45, RS232C (in/out) D-Sub9
- Other connections: USB, AC-out, OPS

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75 Hz
800 x 600	56, 60, 72, 75 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1280 x 800	60 Hz
1280 x 1024	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

- 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: DVI, RS232, VGA
- Network controllable: RS232, RJ45
- Picture performance: Advanced colour control
- Picture in picture: PIP
- Screen-saving functions: Pixel Shift, Low Brightness
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Ease of installation: AC Out, Smart Insert
- Energy-saving functions: Smart Power
- Packaging: Reusable box
- Other convenience: Carrying handles

Dimensions
- Set dimensions (W x H x D): 976.16 x 569.50 x 79.80 mm
- Bezel width: 19.5 mm
- Product weight: 24.3 kg
- VESA Mount: 400 x 400 mm, 400 x 200 mm, 200 x 200 mm
- Smart Insert mount: 100 x 200 mm, 100 x 100 mm

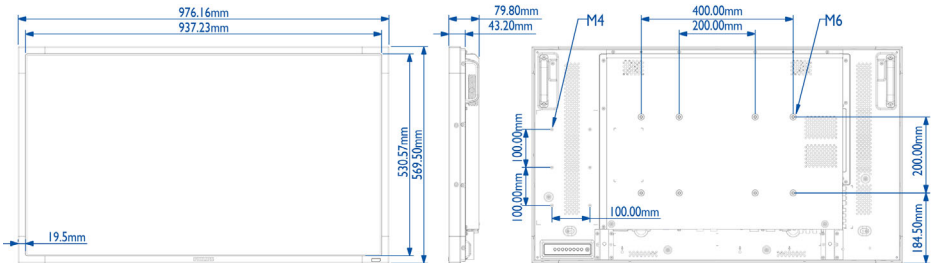
Sound
- Built-in speakers: 2 x 10 W

Operating conditions
- Temperature range (operation): 5 ~ 40 °C
- Relative humidity: 20 ~ 80 %
- MTBF: 50,000 hour(s)

Power
- Mains power: 90 ~ 240 VAC, 50/60Hz
- Consumption (On mode): 120 W (Typ.)
- Standby power consumption: <0.5 W

Accessories
- Included accessories: AC Power Cord, VGA cable, RS232 cable, USB cable, Remote Control, Batteries for remote control, Quick start guide, User manual on CD-ROM
- Stand: BM05462 (Optional)

Miscellaneous
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Spanish, Russian, Simplified Chinese, Traditional Chinese
- Regulatory approvals: CE, CCC, FCC, Class B, UL/cUL, RoHS, EPA, CB, C-Tick, EAC, EMF, KUCAS, SASO
- Warranty: 3-year warranty



Issue date 2014-12-10
Version: 4.1.1
12 NC: 8670 001 09407
EAN: 87 12581 70323 3

© 2014 Koninklijke Philips N.V.
All Rights reserved.
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

www.philips.com