



Philips
LCD Touch monitor

107 cm (42")
multimedia
Full HD

BDT4251VX

More audience interaction

with the robust multi-touch screen

Deliver the message to your audience in startling clarity. Thanks to the capacitive touch screen, you can engage your customer in public spaces much more closely than ever before.

Optimised for public touch

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

Lower total cost of ownership

- SmartPower for energy saving

Operational flexibility

- Capacitive Touch
- 2 Touch Points
- Software Independent
- Designed for 24/7 operation
- Smart insert in the back cover to place a small PC

Sustainable and safe

- Temperature sensor measures the health condition
- Complies with RoHS standards of care for the environment

PHILIPS

Highlights

2 Touch Points

Enjoy the interactivity of multi-touch functionality. It has the advantages of a more robust touch screen combined with the multi-touch gestures for using more versatile touch software.

Capacitive Touch

This capacitive touch has 5-mm tempered glass. Therefore it is perfectly practical for public use and easy to clean.

Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

Designed for 24/7 operation

Designed for 24/7 operation

Full HD LCD display

Full HD LCD display, 1920 x 1080p

Slim bezel

A slim bezel design adds a stylish look to a Touch Screen to nicely blend in most environments.

Smart insert

Professional PCs are part of most multi-user Touch Screen installations. Quite often they add additional depth to the public display and a lot of cable clutter. This Multi-user Touch Screen contains a Smart insert in the back cover that will fit many professional compact PCs. In addition, it offers provisions for efficient cable management.

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.

Software Independent

Our touch screens are software independent and work with most touch-screen software commercially available, including Windows XP/7 and Mac OS, Omnitapps – BMT1909/00. Connect via USB to a PC or laptop.

Temperature sensor

This multi-user Touch Screen contains a temperature sensor to monitor the internal health condition. If the internal temperature surpasses the pre-set threshold, two internal fans will be automatically activated to cool down the display to normal conditions.

Specifications

Picture/Display

- Diagonal screen size: 42 inch / 107 cm
- Aspect ratio: 16:9
- Panel resolution: 1920 x 1080p
- Pixel pitch: 0.485 x 0.485
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Brightness: 700 cd/m²
- Display colours: 1.06 Billion colours
- Contrast ratio (typical): 1100:1
- Response time (typical): 9 ms
- Viewing angle: 178° (H)/178° (V)
- 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, VGA-out D-Sub 15HD, DVI-D x 1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x 1
- AV input: HDMI x 1, Component (YPbPr) x 1, Composite (RCA) x 1, Composite (BNC) x 1, S-video x 1, Audio (L/R) x 2
- AV output: Composite (BNC) x 1, Audio (L/R) x 1
- Other connections: AC-out, External loudspeaker connector
- Touch Screen: USB

Convenience

- Placement: Portrait, Landscape
- Picture in picture: PBP, PIP, POP
- Screen-saving functions: Pixel shift, Low brightness
- Keyboard control: Hidden, Lockable
- Remote control signal: Lockable
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy-saving functions: Ambient light sensor, Smart Power
- Safety control functions: Heat Control, Temperature Sensor
- Picture performance: Advanced colour control
- Network controllable: RS232

Sound

- Built-in speakers: 2 x 5 W (8 Ohm)

Power

- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typical 133 W
- Standby power consumption: ≤ 1 W

Supported Display Resolution

- Computer formats: 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: 480i, 60 Hz, 480p, 60 Hz, 576i, 50 Hz, 576p, 50 Hz, 720p, 50, 60 Hz, 1080i, 50, 60 Hz, 1080p, 50, 60 Hz

Dimensions

- Bezel thickness: 35.5 mm horizontal, 36.5 mm vertical
- Set dimensions (W x H x D): 1008 x 598 x 135 mm
- Smart Insert mount: 160 x 300 x 55 mm
- Product weight: 45 kg
- Wall Mount: 400 x 200 mm

Operating conditions

- Temperature range (operation): 0 - 40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 5 - 90 %

Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Owner's Manual, Touch Screen Driver, Smart insert
- Optional accessories: Fixed wall mount, Flexible wall mount, Ceiling mount, Electric Stand BMT1851/00, Multi User Touch SW, Software Omnitapps BMT1909/00

Miscellaneous

- Bezel: black, RAL 9005F13
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese
- Warranty: Europe 3 years
- Regulatory approvals: CCC, CE, FCC, Class B, RoHS, UL/cUL

Packaging Data

- Packaging dimensions (W x H x D):: 1105 x 799 x 305 mm
- Tare weight: 9 kg
- Number of products included: 1

Interactivity

- Multi-touch technology: 2 Touch Points simultaneously, Capacitive touch, USB connection, 5-mm safety glass



Issue date 2024-04-09

Version: 1.0.1

EAN: 87 12581 65493 1

© 2024 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