



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.

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

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

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

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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

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

Connectivity

- 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
- 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
- Touch Screen: USB

Convenience

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

Dimensions

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

Miscellaneous

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

Operating conditions

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

Packaging Data

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

Picture/Display

- Aspect ratio: 16:9
- Brightness: 700 cd/m²
- Contrast ratio (typical): 1100:1
- Diagonal screen size: 42 inch / 107 cm
- Display colours: 1.06 Billion colours
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Panel resolution: 1920 x 1080p
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement
- Pixel pitch: 0.485 x 0.485
- Response time (typical): 9 ms
- Viewing angle: 178° (H)/178° (V)

Power

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

Sound

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

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
576i	50 Hz
576p	50 Hz
720p	50, 60 Hz
1080i	50, 60 Hz
1080p	50, 60 Hz

Interactivity

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



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