



Philips  
LCD Touch monitor



2 TOUCH POINTS

107 cm (42")

multimedia Full HD

BDT4251VX/02

## More audience interaction

with the robust multi touch screen 107 cm (42") LCD Display

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

### Operational flexibility

- Capacitive Touch
- 2 Touch Points
- Software Independent

### Optimized for public touch

- Full HD LCD display, 1920x1080p
- 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 to care for the environment

# PHILIPS

sense and simplicity

# Highlights

## Capacitive Touch

The capacitive touch technology is processed in the 5 mm tempered glass. Therefore it is easy to clean and perfectly practical for public use.

## 2 Touch Points

Enjoy the interactivity of Multi Touch functionality. The robust touch screen combined with the multi touch gestures gives the ability to use versatile touch software.

## Smart insert

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

## 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.

## Slim bezel

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

## 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.

## Temperature sensor

This Multi Touch Screen contains a temperature sensor to monitor the internal health condition. In case the internal temperature

surpasses the preset threshold, automatically two internal fans will be activated to cool down the display to normal conditions.

## 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

Multi Touch Screens are used in the most demanding applications. The displays are therefore specifically designed and tested for heavy duty operation, even when 24/7 is required.

## Software Independent

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



# Specifications

## Picture/Display

- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 700 cd/m<sup>2</sup>
- Contrast ratio (typical): 1100:1
- Response time (typical): 9 ms
- Aspect ratio: 16:9
- Viewing angle (H/V): 178 / 178 degree
- Pixel pitch: 0.485 x 0.485
- Display colors: 1.06 Billion colors
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

## Supported Display Resolution

### • Computer formats

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

### • Video formats

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

## Connectivity

- PC:VGA-in D-Sub 15HD,VGA-out D-Sub 15HD, DVI-D x1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x1, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2, Component (YPbPr) x1
- AV output: Composite (BNC) x1, Audio (L/R) x1
- Touch Screen: USB
- Other connections:AC-out, External loudspeaker connector

## Convenience

- Placement: Portrait, Landscape
- Picture in picture: PBP, PIP, POP
- Screen saving functions: Pixel shift, Low bright
- 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 color control
- Network controllable: RS232

## Dimensions

- Bezel thickness: 35,5 mm horizontal, 36,5 mm vertical
- Smart insert (WxHxD): 160 x 300 x 55 mm
- Set dimensions (W x H x D): 1008 x 598 x 135 mm
- Product weight: 45 kg
- VESA Mount: 400 x 200mm

## Operating conditions

- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 50.000 hour(s)

## Power

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

## Sound

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

## Accessories

- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide, Smart Insert, Touch Screen driver
- Optional accessories: Fixed wall mount, Flexible wall mount, Ceiling mount, Electric Stand BMT1851/00, Multi User Touch Software Omnitapps BMT1909/00

## Miscellaneous

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

## Packaging dimensions

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

## Technical specifications

### Touch Screen

- 2 Touch Points simultaneously
- Capacitive touch
- USB connection
- 5 mm safety glass

