



Philips
LCD Touch monitor



32 TOUCH POINTS

107 cm (42")

Multi media Full HD

BDT4245EM/32

More audience interaction of stunning clarity

with this white multi user touch screen 107 cm (42") LCD Display

Deliver vital information or marketing messages to your audience in startling clarity. And thanks to the interactive touch screen, you can also engage your customer much closer than ever before.

Operational flexibility

- Infrared Touch
- 32 Touch Points
- Software Independent
- Designed for 24/7 operation

Optimized for public viewing

- Full HD LCD display, 1920 x1080p
- HDMI input for full digital HD connection in one cable

Lower total cost of ownership

- SmartPower for energy saving
- Advanced anti image Sticking function

Sustainable and safe

- Complies with RoHS standards to care for the environment

PHILIPS
sense and simplicity

Highlights

Infrared Touch

With an invisible infrared grid on the top of the screen, you can enjoy amazing accuracy and fast response times, even when touched by a finger, glove or stylus. And no "ghost points".

32 Touch Points

Enjoy amazing functionality with 32 touch points on this touch screen. More flexibility and optimum performance couple with excellent operability opportunities to give you the ultimate in user interaction.

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.

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.

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 colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

Advanced anti image sticking

Static images left on-screen for extended periods of time may leave a "ghost image" or image sticking effect on LCD displays. Although image sticking in LCD displays is not permanent, you want to prevent this to happen, especially in locations where content is shown 24/7.

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-

degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

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.

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.

Software Independent

Our touch screens are software independent and work with most touch screen software commercially available, including Windows XP/7/8 and Mac OS, Omnitapps – BMT1909/00. Connect via USB to a PC or laptop.



HDMI



Specifications

Picture/Display

- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 1920 x 1080p
- Optimum resolution: 1920 x 1080p @ 60Hz
- 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: 0.485 x 0.485
- Display colors: 16.7 Million 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, RJ45*
- AV input: HDMI x1, Component (BNC) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2
- AV output: Composite (BNC) x1, Audio (L/R) x1
- Touch Screen: USB
- Other connection: OPS

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
- Energy saving functions: Smart Power
- Picture performance:Advanced color control
- Signal Loop Through: RS232,VGA
- Ease of installation: Carrying Handles
- Network controllable: RS232, RJ45

Dimensions

- Bezel thickness: 44 mm horizontal, 47 mm vertical
- Set dimensions (W x H x D): 1022 x 617 x 118,20 mm
- Product weight: 25 kg
- VESA Mount: 400 x 200 mm

Operating conditions

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

* Only applies the screen

Power

- Consumption (On mode):Typ. 114W
- Standby power consumption: <0.5W

Sound

- Built-in speakers: 2 x 10W

Accessories

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

Miscellaneous

- Bezel: white, RAL 90106L50
- Warranty: Europe 3 years
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese

Packaging dimensions

- Packaging dimensions (W x H x D): 1165 x 785 x 310 mm
- Tare weight: 15 kg
- Number of products included: 1

Technical specifications

Touch Screen

- G4S Plus: 32 Touch Points
- Infrared Touch Screen
- USB connection
- USB powered
- 4 mm safety glass

