# Panasonic
## BUSINESS

Touch Screen LCD Display

## BQE1/BFE1 Series
75-inch class **TH-75BQE1**
65-inch class **TH-65BFE1**

August/2017

# Touch-Screen Displays with Simple Features for Conference Rooms and Classrooms

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■ **Main Features**

**4K** PROFESSIONAL
*Actual Resolution: 3840 x 2160p (TH-75BQE1 only)

**400**cd/m²

**Protective Glass**

**Interactive**

**Multi Touch**

**Portrait**

## 01 | Touch-Screen Displays

In addition to presenting educational materials, these displays can be used as whiteboards* to improve student understanding. Several students can write on them simultaneously, for active classroom participation.

\* A computer installed with Whiteboard Software (available free of charge) is required.

## 02 | Large, Highly Visible Display Sizes for Classrooms and Conference Rooms

A large, 65-inch size that is easy to see in classrooms and conference rooms, and an even larger, 4K resolution 75-inch size are available. Select the one that matches the room size.

## 03 | Reliable, Easy-to-Use Product Designs

The BQE1 and BFE1 Series features a protective glass with shatterproof film. Even if the panel is broken, the glass will not shatter, making it safe for permanent classroom use. The easy-to-hear front speaker (external/included) also supports understandable lessons and meetings.

Handle for easy movement

Protective Glass

Front Speaker

*Actual Resolution: 3840 x 2160p

## ■ Specifications

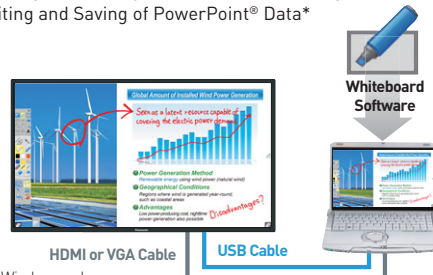| Model | TH-75BQE1 | TH-65BFE1 |
|---|---|---|
| **DISPLAY PANEL** | | |
| Screen Size | 75-inch (1893 mm) | 65-inch (1638 mm) |
| Panel Type/Backlight | VA / Direct-LED | |
| Aspect Ratio | 16 : 9 | |
| Effective Display Area (W x H) | 1650 x 928 mm (64.9" x 36.5") | 1428 x 803 mm (56.2" x 31.6" ) |
| Resolution (H x V) | 3840 x 2160 | 1920 x 1080 |
| Brightness | 400 cd/m² | |
| Contrast Ratio | 4000 : 1 | |
| Response Time | 8.0 ms (G to G) | |
| Viewing Angle | 178 / 178° (CR ≥10) | |
| **TOUCH PANEL** | | |
| Detection Method | Infrared blocking detection method | |
| Touch Operation | Up to 10-point multi-touch*1 | |
| **CONNECTION TERMINAL** | | |
| HDMI In | TYPE A Connector x 2 | |
| PC In | Mini D-Sub 15-pin (female) x1 (compatible with DDC2B) | |
| DVI-D In | DVI-D 24-pin (digital) x 1 | |
| USB | USB TYPE A Connector (female) x 1 | |
| USB for PC Connection | USB TYPE A Connector (male) x 1 (For Touch Panel) | |
| Serial In | D-Sub 9-pin x 1 (for external control, RS-232C compliant) | |
| Audio In | Stereo mini-jack (M3) | |
| Audio Out | Stereo mini-jack (M3) | |
| **AUDIO** | | |
| Speaker Out | 20 W (10 W + 10 W) | 16 W (8 W + 8 W) |
| **ELECTRICAL** | | |
| Power Requirements | 110-240 V AC, 50 / 60 Hz | |
| Power Consumption | 370 W | 205 W |
| Power Off Condition | Approx. 0 W | |
| Standby Condition | Approx. 0.5 W | |
| **MECHANICAL** | | |
| Dimensions (W x H x D) | 1710 x 1072 x 102 mm (67.3" x 42.2" x 4.0") (with speaker mounted) | 1490 x 948 x 106 mm (58.7" x 37.4" x 4.2") (with speaker mounted) |
| Bezel Width | 27 mm (1.07") | T/B: 30 mm (1.18"), L/R: 30.2 mm (1.19") |
| Weight | Approx. 66 kg (145.5 lbs.) (Approx. 68 kg with speaker mounted) | Approx. 44 kg (97 lbs.) (Approx. 46 kg with speaker mounted) |
| Protective Glass | Anti Glare Surface / Shatterproof Film Attached | |
| Pitch for Wall-hanging | VESA Compliant 400 x 400 mm (15.8" x 15.8") | |
| Orientation | Landscape / Portrait | |
| Operating Environment | Temperature: 0 °C to 40 °C (32 °F to 104 °F) [for up to 1400 m (4593') altitude] / 0 °C to 35 °C (32 °F to 95 °F) [for between 1400 m and 2800 m (4593' and 9186') altitude], Humidity: 20 % to 80 % (Non-condensation) | |

*1 When using the Whiteboard Software for Windows®. Only one point using the Whiteboard Software for Mac.

| **Included Accessories** | • AC cord • Remote Control • Pen • Clamper • Speaker • Speaker Cord |
|---|---|
| **Optional Accessories** | • Pedestal  TY-ST75PE9 |

## Whiteboard Software for Full Use of Educational Materials

This software can be used to display educational materials, and to make lessons more understandable by jotting in notes.

• Presentation Functions* (Magnifying Glass, Pen/Marker)
• Stylus Pen, Finger-Touch Input
• Screen Capture/Recording Function*
• Simultaneous Operation of Up to 10 Points*
• Reading and Writing of JPEG and Other Image Data
• Writing and Saving of PowerPoint® Data*



HDMI or VGA Cable    Whiteboard Software    USB Cable

Windows Version

* For Windows only.
For the latest software please visit out global website:
**panasonic.net/cns/prodisplays/download/software/**

Whiteboard software uses Color Universal Design for easy viewing in spite of individual differences in color perception.

'17 COLOR UNIVERSAL DESIGN

## High Visibility for Info Sharing from a Distance

Quick confirmation of educational materials and data.

• Bright 400-cd/m² display of clear images.
• Anti-glare processing suppresses external reflections for high visibility.



## Touch-Panel Provides Easy-to-Understand Information

Ideal for use as floor maps and signage to describe products in a showroom.



## ■ Other Features

• Multi-touch input allows several people to write simultaneously.
• Clearly audible front speaker (included).
• Can be vertically installed. The speaker can also be mounted in the vertical configuration.
• Complies with VESA standards. Third-party mounting fixtures can be used.

• Specifications and appearance are subject to change without notice.
• Images on screen are simulated.

All information included here is as of August 2017.

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