

BF1 Series

Multi-touch Screen Full HD LCD Display

Available from Spring 2016

Tentative

Exclusive Features for Smooth and Efficient Collaboration and Learning



| BF1 Series | | | |
|-------------|-----------------------|----------|----------|
| | TH-80BF1 | TH-65BF1 | TH-50BF1 |
| Screen Size | 80-inch | 65-inch | 50-inch |
| Brightness | 350 cd/m ² | | |
| LCD Panel | VA Panel / E-LED | | |
| Orientation | Landscape / Portrait | | |

Powerful User-Friendly Whiteboard

- Built-in Quick-start Whiteboard Does Not Require a Connected PC
- Color Universal Design for Whiteboard Makes All Colors Clearly Distinguishable for People with Color-Vision Defects
- Convenient Floating Menu Bar Streamlines Operation
- Draw Straight or Freehand Lines, Change Line Thickness, Color, and Background with Simple Tool Palette
- Intuitive Operation with Precision 12-point Touch Sensor
- Write and Draw on Media Transmitted from External Devices, Including Video and Still Images

Wireless Support for Almost Any Device

- Intel® Pro WiDi Compatibility to Mirror Video, Documents, and Websites on Supported Windows® PCs or Android™ Devices
- Intel® Pro WiDi Includes Managed Meeting Modes to Suit Various Meeting Formats
- Wireless Manager Software Wirelessly Transmits Media from Windows®/Mac Including Transmission to Eight Displays from a Single PC
- Apps for iOS/Android™ Enables Easy Wireless Media Transmission
- Wireless Apps Support Simultaneous Transmission from Up to 16 Devices in Multi-Screen Mode
- Optional ET-UW100 Easy Wireless Stick*1 Wirelessly Mirrors PC Screen On the Display (No Software Required)

System Flexibility and Additional Features

- Plays Full HD Video, Still Images, and Digital Documents from USB Storage Devices
- DIGITAL LINK Transmits Uncompressed Full HD Video, Audio, and Control Commands Through a Single CAT 5e Cable for Up to 100 m (328 ft)
- Compatible with Crestron Connected Automation and Control Software
- Supports Connection of a Second Display or Projector via VGA Cable
- Customizable Connectivity with Optional SLOT2.0 Terminal Boards
- Anti-Glare Screen Surface for Clear Visibility in Bright Ambient Light
- Picture-in-Picture Functions Display Images from Multiple Sources Simultaneously (Includes Picture-in-Whiteboard Mode)

Specifications (Tentative)

| Model | TH-80BF1 | TH-65BF1 | TH-50BF1 |
|-------------------------------------|---|---|---|
| Display panel | | | |
| Screen size (diagonal) | 80-inch (2,032 mm) | 65-inch (1,638 mm) | 50-inch (1,257 mm) |
| Panel type | LCD VA panel/E-LED | | |
| Aspect ratio | 16:9 | | |
| Effective display area (W x H) | 1,771 x 996 mm (69.7" x 39.2") | 1,428 x 803 mm (56.2" x 31.6") | 1,095 x 616 mm (43.1" x 24.2") |
| Number of pixels (H x V) | 1920 x 1080 | | |
| Brightness | 350 cd/m ² | | |
| Contrast ratio | 5,000:1 | 4,000:1 | 5,000:1 |
| Response time | 4 ms (G to G) | 6.5 ms (G to G) | 6.5 ms (G to G) |
| Viewing angle (Horizontal/vertical) | 176 °/176 ° | 178 °/178 ° | 176 °/176 ° |
| Touch panel | | | |
| Detection method | Infrared blocking detection method | | |
| PC connection port | USB (3.0 compliant) | | |
| Connection terminal | | | |
| Video In | BNC x 1 | | |
| Audio In (L/R) | Stereo mini jack x 1 (Shared with COMPONENT/RGB IN) | | |
| HDMI In | HDMI TYPE A connector x 2 | | |
| Component/RGB In | BNC x 1 set | | |
| Audio In (L/R) | Stereo mini jack x 1 (Shared with VIDEO IN) | | |
| DVI-D In | DVI-D 24-pin x 1 | | |
| Audio In (L/R) | Stereo mini jack x 1 (Shared with PC IN) | | |
| PC In | Mini D-sub 15-pin (female) x 1, Plug & Play (VESA DDC 2B) | | |
| Audio In (L/R) | Stereo mini jack x 1 (Shared with DVI-D IN) | | |
| PC Out | Mini D-sub 15-pin x 1 | | |
| USB A | USB TYPE A connector x 1 (For Memory Viewer) | | |
| USB B | USB TYPE B connector x 1 (For Touch Panel) | | |
| External speaker | 8 Ω, 20 W [10 W + 10 W] (10 % THD) | | |
| Serial | D-sub 9-pin (male) x 1 for external control (RS-232C compliant) | | |
| DIGITAL LINK/LAN | RJ45 x 1 for network and DIGITAL LINK connection, compatible with PLink™, 100BASE-TX | | |
| Audio/Electrical | | | |
| Built-in speaker | 20 W [10 W + 10 W] | | |
| Power requirements | 110–127 V AC, 50/60 Hz, 220–240 V AC, 50/60 Hz | | |
| Power consumption | TBD | TBD | TBD |
| Power off condition | TBD | | |
| Standby condition | TBD | | |
| Mechanical | | | |
| Dimensions (W x H x D) | 1,868 x 1,093 x 104 mm (73.6" x 43.1" x 4.1") | 1,517 x 892 x 106 mm (59.8" x 35.2" x 4.2") | 1,185 x 705 x 103 mm (46.7" x 27.8" x 4.1") |
| Bezel width | Approx. 43 mm (1.7") | Approx. 39 mm (1.53") | |
| Weight | TBD | TBD | TBD |
| Cabinet material/color | Aluminum/Black | | |
| Pitch for wall-hanging | VESA compliant 400 x 400 mm (15.8" x 15.8") | 684 x 300 mm (27.0" x 11.9") | 400 x 300 mm (15.8" x 11.9") |
| Installation orientation | Landscape/Portrait* | | |
| Environment | | | |
| Operating environment | Temperature: 0 °C to 40 °C (32 °F to 104 °F) Humidity: 20 % to 80 % (Non-condensation) | | |
| Storage environment | Temperature: -20 °C to 60 °C (-4 °F to 140 °F) Humidity: 20 % to 80 % (Non-condensation) | | |
| Continuous operation | 18 hours | | |
| Included accessories | AC cord, remote control transmitter, batteries for the remote control transmitter (AA size x 2), software CD-ROM (Whiteboard Software/Wireless Manager Software / Operating Instructions) x 1, USB cable x 1, Touch Pen x 4 (TH-80BF1), Touch Pen x 2 (TH-65BF1/50BF1), Eraser x 1, Pen Stand, operating instruction book | | |
| Built-in wireless LAN function | | | |
| Standard | 2.4 GHz: IEEE802.11b/g/n, 5.0 GHz: IEEE802.11a/n | | |
| Infrastructure mode | WPA2-PSK (TKIP/AES), WPA-PSK (TKIP/AES), WEP (64-bit/128-bit), WPA-EAP/WPA2-EAP (PEAP [MS-CHAPv2/GTC]/EAP-FAST [MS-CHAPv2/GTC]/EAP-TTLS [MD5/MS-CHAPv2], 128-bit/64-bit) | | |

* When installing the display on portrait setting, be sure to install with the power indicator at the top side of the display.

Optional Accessories

■ Mobile Stand

TY-ST80LF70 (for 80-inch)
TY-ST65PB2 (for 65-inch)
TY-ST50PB2 (for 50-inch)

■ Wall-Hanging Bracket

TY-WK70PV50 (for 80-inch)
TY-WK65PR20 (for 65-inch)
TY-WK42PV20 (for 50-inch)
TY-WK42PR20 (for 50-inch)

■ Pedestal

TY-ST65P20 (for 80/65-inch)
TY-ST42P50 (for 50-inch)

■ Ceiling Bracket

TY-CE42PS20 (for 50-inch)

■ DIGITAL LINK Switcher

ET-YFB200G

■ Digital Interface Box

ET-YFB100G

■ Easy Wireless Stick

ET-UW100

■ Early Warning Software

ET-SWA100 Series*

* Part number suffix may differ depending on the license type.

Optional Function Board

- **DVI-D Terminal Board:** TY-FB11DD
- **Dual HDMI Terminal Board:** TY-FB10HMD (Production discontinued)
- **HD-SDI Terminal Board:** TY-FB9HD (Production discontinued)
- **HD-SDI Terminal Board with Audio:** TY-FB10HD
- **Dual Link HD-SDI Terminal Board with Audio:** TY-FB11DHD

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