SMART Board® interactive whiteboard system
Model SB880i6

Overview

Your SMART Board 880i6® interactive whiteboard system combines the use of a SMART Board 800 series interactive whiteboard and a SMART UF70 projector along with other accessories and optional equipment.

The SMART UF70 projector provides an ultra-bright high resolution image on a short boom delivering high definition, high performance interactivity that is virtually shadow-free and glare-free. You can do everything you can do at your computer—open and close applications, meet with others, create new documents or edit existing ones, visit websites, play and manipulate video clips and more—just by touching the interactive surface. Four users can draw on the interactive surface at the same time, and you can use an array of gestures within applications.

The SB880i6 system supports video and audio from a variety of devices, including DVD and Blu-ray™ players, document cameras, and other high-definition sources, and is displayed on the interactive screen. All HDMI 1.4 inputs are HDCP compliant.

See smarttech.com for more information on this product.
Dimensions and weights

SMART Board® interactive whiteboard system – Model SB880i6

Dimensions

SMART Board 880 interactive whiteboard

- Weight: 23.6kg (52 lb)
- Dispatch dimensions: 11.1 cm W x 144.1 cm H x 192.4 cm D (4 3/8" x 56 3/4" x 75 3/4")
- Dispatch weight: 34.5kg (76 lb)

SMART UF70 projector

- Weight (projector only): 7.6kg (16 lb 11 oz)
- Weight (projector + boom): 12.9kg (28lb 6oz)
- Dispatch weight: 16.2kg (35 lb 13oz)

- Dispatch dimensions: 50.8 cm W x 39.4 cm H x 61 cm D (20" x 15 1/2" x 24")
- Projector dimensions: 37.1 cm W x 24.1 cm H x 76.2 cm D (14 5/8" x 9.1/2" x 30")

Extended control panel (ECP)

- Dimensions: 16.8 cm W x 5.5 cm H x 11.9 cm D (6 5/8" x 2 1/8" x 4 5/8")
- Weight: 2.6 kg (5 lb 11 oz)

- Dispatch dimensions: 41.9 cm W x 35.6 cm H x 7.6 cm D (16 1/2" x 14" x 3")

Remote control

- Dimensions: 4.1 cm W x 8.6 cm H x 0.6 cm D (1 5/8" x 3 3/8" x 1/4")

1 All dimensions ± 0.3 cm (1/8”). All weights ± 0.9 kg (2 lb)
## Hardware

### Projector

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brightness (standard)</strong></td>
<td>3000 lumens 230 W mode at a CCT of 6500 K by the IEC method</td>
</tr>
<tr>
<td><strong>Brightness (economy)</strong></td>
<td>2250 lumens 190 W mode. at a CCT of 6500 K by the IEC method</td>
</tr>
<tr>
<td><strong>Native resolution</strong></td>
<td>XGA 1024 x 768</td>
</tr>
<tr>
<td><strong>Aspect ratio</strong></td>
<td>4:3 with support for 16:9, 16:10 and 5:4 with scaling.</td>
</tr>
<tr>
<td><strong>Throw ratio</strong></td>
<td>Short throw 0.43:1 ratio</td>
</tr>
<tr>
<td><strong>Throw distance</strong></td>
<td>68.4cm (27&quot;)</td>
</tr>
<tr>
<td><strong>Display technology</strong></td>
<td>The projection engine uses DLP® technology by Texas Instruments™, providing BrilliantColor™ performance and quality Gamma 2.2 correction with Bright Room, Dark Room, sRGB, User and SMART Presentation modes.</td>
</tr>
<tr>
<td><strong>Lamp life</strong></td>
<td>2500 hours in Standard 230 W mode. 4000 hours in Economy 190 W mode.</td>
</tr>
<tr>
<td><strong>Integrated loud speaker</strong></td>
<td>9 W rms</td>
</tr>
<tr>
<td><strong>Projector noise</strong></td>
<td>32 dBA standard fan speed. 37 dBA high speed fan speed.</td>
</tr>
<tr>
<td><strong>Contrast ratio (typical)</strong></td>
<td>2900:1</td>
</tr>
<tr>
<td><strong>Video system compatibility</strong></td>
<td>HDTV (720p and 1080p) video system compatibility and HD Ready (HDMI technology and 720p) available, NTSC, NTSC 4:3, PAL, PAL-N, PAL-M and SECAM (480i/p and 576i/p)</td>
</tr>
<tr>
<td><strong>Video interface compatibility</strong></td>
<td>HDCP compliant HDMI, Composite, VESA® RGB with additional interface support for Component YPbPr and Component YCbCr inputs with the proper adapters (not included)</td>
</tr>
<tr>
<td><strong>Horizontal frequency</strong></td>
<td>15kHz–72 kHz</td>
</tr>
<tr>
<td><strong>Vertical frequency</strong></td>
<td>15Hz–75 Hz</td>
</tr>
<tr>
<td><strong>Clock frequency</strong></td>
<td>165 Mhz</td>
</tr>
<tr>
<td><strong>External management</strong></td>
<td>Infrared remote control, RS-232 control port, internal webpage, Crestron® RoomView® management via Ethernet</td>
</tr>
</tbody>
</table>

### Interactive whiteboard

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Touch resolution</strong></td>
<td>4000 × 4000</td>
</tr>
<tr>
<td><strong>Touch and gestures</strong></td>
<td>Users can interact with the interactive whiteboard using the included pens or other objects or by using their fingers to write, erase and perform mouse functions. Users can also use gestures to interact with the content. The Object Awareness feature enables you to pick up a pen and then write, select or erase without replacing the pen. This interactive whiteboard also features gesture capability, providing a natural and flexible way to interact with content. Four-camera DViT® (Digital Vision Touch) technology with steel coated dry-wipe surface.</td>
</tr>
<tr>
<td><strong>Digitising technology</strong></td>
<td>Four-camera DViT® (Digital Vision Touch) technology with steel coated dry-wipe surface</td>
</tr>
<tr>
<td><strong>Pen tray</strong></td>
<td>Optical sensors in the pen tray detect when you lift a pen or eraser from the tray. Colour buttons on the pen tray enable you to select pen colour.</td>
</tr>
</tbody>
</table>
### Accessories
- Two ergonomic pens with comfort grip and rectangular eraser

### Extended Control Panel (ECP)
- SB880i6 - included with the system, not pre-attached to the pen tray

### Included cables and hardware SB880i6
- 4.5m (14’9") power cable
- Infrared remote control
- 5m (16’5") USB cable
- 4.1m (13’5.5") 3.5 mm stereo audio cable
- Projector wiring harness

### Theft protection
- Projector system padlock ring
- SB800 system - Kensington security slot

### Connectors

#### Projector connectors
- 3.5mm phone jack audio input
- 3.5mm phone jack audio output
- DB15F RGB VGA video input (VGA In)
- DB15F RGB VGA video input (VGA Out)
- DB9F RS-232 control port
- HDMI 1.4 input
- Power (100V–240V AC at 50 Hz–60 Hz)
- USB-B port (for service use only)
- RJ45 - Ethernet connector
- 7-pin mini-DIN for ECP data
- 4-pin mini-DIN 5V/2A output for ECP USB HUB/switch power
- RCA analogue audio and composite video (red, white and yellow)
- Microphone 3.5 mm

#### ECP connectors
- RJ11 6-wire internal pen tray connection
- 11-pin connects to projector wiring harness
- 4-pin room control system via SB8-CTRL adapter cable
- USB-B connects to bottom of pen tray
- USB mini-Type B (x2) primary and secondary computer connections
- USB Type A for USB Drive or memory stick

### Computer requirements

**SB880i6**
- Windows® operating system or Mac operating system software and SMART Notebook™ collaborative learning software installed. For a complete list of computer requirements, go to smarttech.com/downloads and browse to the latest SMART Notebook software release notes applicable to your operating system.

### Storage and operating requirements

<table>
<thead>
<tr>
<th>Power requirements and consumption</th>
<th>100V–240V AC at 50 Hz–60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full mode</strong></td>
<td>360 W</td>
</tr>
<tr>
<td><strong>ECO mode</strong></td>
<td>360 W</td>
</tr>
<tr>
<td><strong>Standby mode</strong></td>
<td>0.5 W</td>
</tr>
</tbody>
</table>
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Operating temperature

Interactive whiteboard 5°C to 35°C (41°F to 95°F) from 0m to 1800m (0' to 6000')
5°C to 30°C (41°F to 86°F) from 1800m to 3000m (6000' to 9800')

Projector 5°C to 35°C (41°F to 95°F) from 0m to 1800m (0' to 6000')
High speed: 5°C to 30°C (41°F to 86°F) from 1800m to 210m (6000' to 6800')

Storage temperature -20°C (-4°F) to 50°C (122°F)

Humidity
Up to 80% storage relative humidity, non-condensing
Up to 80% operating relative humidity, non-condensing

Certification and compliance

Regulatory certification
CE, CB, CCC, CE, C-Tick, FCC, KC, GOST-R, NOM, PSB, PSE, TUV-GS, UL/CSA (US/Canada) and VCCI

Environmental compliance
China EIP
European Union REACH, RoHS, WEEE, Battery, Packaging and ErP Standby
US Packaging and Conflict Minerals

Warranty

Interactive whiteboard Two-year limited equipment warranty OR
Five-year limited equipment warranty upon registration

Projector Two-year limited equipment warranty

Projector lamp 1000-hour/one-year warranty

ECP Two-year limited equipment warranty

Purchasing information

Order numbers
SB880i6 195.6cm (77") diagonal SMART Board interactive whiteboard with a SMART UF70 projector system. Includes a SMART Notebook software installation DVD.

1020991 Replacement lamp for SMART UF70 / UF70w projectors

1013576 Projector hardware kit (see smarttech.com/kb/160505)

Optional extended warranty
(EWY1-UF70) SMART UF70 projector one-year warranty extension (available at time of projector purchase only)
(EWY3-UF70) SMART UF70 projector three-year warranty extension (available at time of projector purchase only)

Optional accessories See smarttech.com/accessories