

# SMART Board® interactive whiteboard system

Model SB680i6

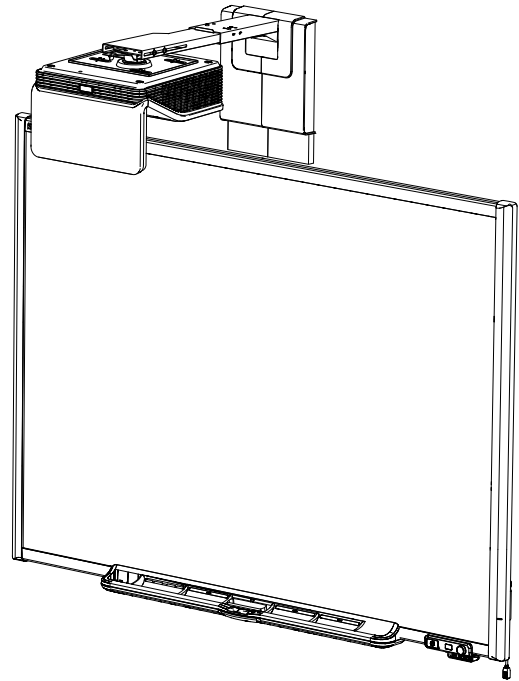
## Overview

Your SMART Board® 680i6 interactive whiteboard system combines the use of a SMART Board 600 series interactive whiteboard and a the 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. The SB680 series interactive whiteboard is a single user one touch system that provides unmatched durability and unceasing performance under any conditions.

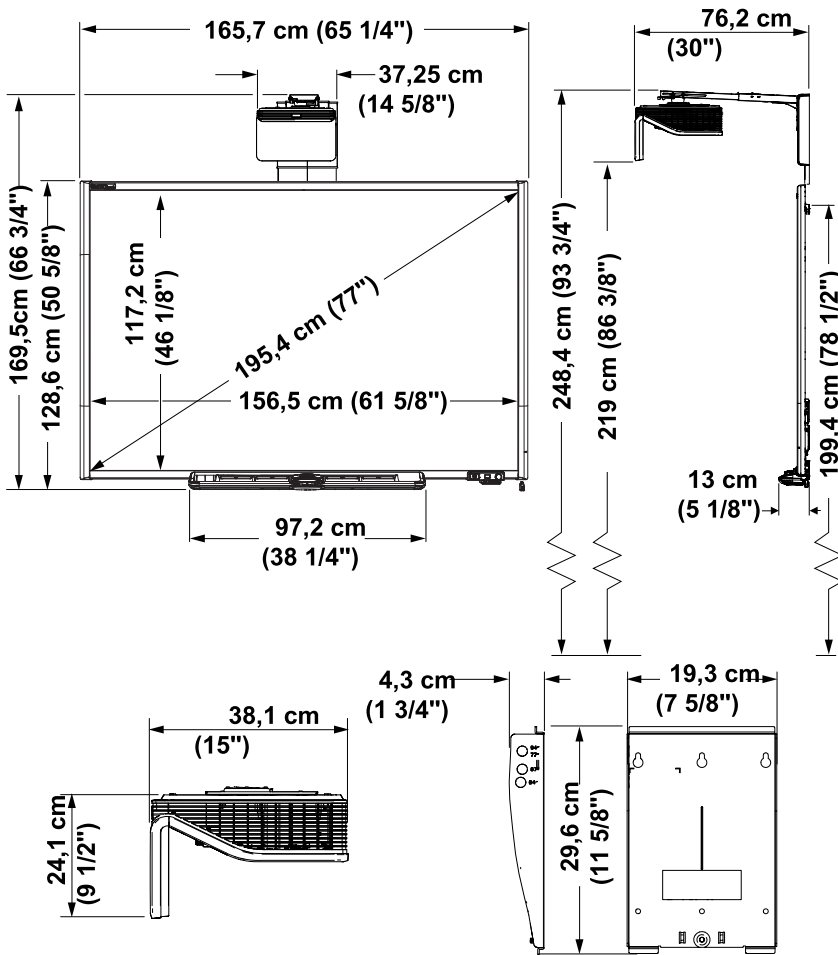
The SB680i6 system supports video and audio from a variety of devices, including DVD and Blu-ray™ players, document cameras, and other high-definition sources, and is displayed on the interactive screen. All HDMI 1.4 inputs are HDCP compliant.

See [smarttech.com](http://smarttech.com) for more information on this product.



## Dimensions and weights<sup>1</sup>

### Dimensions



## SMART Board 680 interactive whiteboard

### Weight

13.6kg (30 lb 14 oz)

### Dispatch dimensions

186.7cm W x 137.2cm H x

14cm D

(73 1/2" x 54" x 5 1/2")

### Dispatch weight

20.5kg (45 lb)

## SMART UF70 projector

### Weight (projector only)

7.6kg (16lb 11oz)

### Weight (projector and boom)

12.9kg (28lb 6oz)

### Dispatch weight

16.2kg (35 lb 13 oz)

### Projector dimensions

37.1cm W x 24.1cm H x 76.2cm D

(14 5/8" x 9 1/2" x 30")

### Dispatch dimensions

50.8cm W x 39.4cm H x 61cm D

(20" x 15.1/2" x 24")

## Extended control panel (ECP)

### Dimensions

15.2cm W x 6.6cm H x 5.8cm

D

(6" x 2 5/8" x 2 1/4")

### Weight

2.1kg (4 lb 8oz)

### Dispatch dimensions

23.8cm W x 12.8cm H x

26.4cm D

(9.3" x 5" x 10 3/8")

## Remote control

### Dimensions

4.1cm W x 8.6cm H x 0.6cm D

(1 5/8" x 3 3/8" x 1/4")

<sup>1</sup>All dimensions ± 0.3cm (1/8"). All weights ± 0.9kg (2lb)

## Hardware

### Projector

<b>Brightness (standard)</b>	3000 lumens 230 W mode at a CCT of 6500 K by the IEC method
<b>Brightness (economy)</b>	2250 lumens 190 W mode. at a CCT of 6500 K by the IEC method
<b>Native resolution</b>	XGA 1024 × 768
<b>Aspect ratio</b>	4:3 with support for 16:9, 16:10 and 5:4 with scaling.
<b>Throw ratio</b>	Short throw 0.43:1 ratio
<b>Throw distance</b>	68.4cm (27")
<b>Display technology</b>	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.
<b>Lamp life</b>	3000 hours in Standard 230 W mode. 4000 hours in Economy 190 W mode.
<b>Integrated loud speaker</b>	9 W rms
<b>Projector noise</b>	32 dBA standard fan speed. 37 dBA high speed fan speed.
<b>Contrast ratio (typical)</b>	2900:1
<b>Video system compatibility</b>	HDTV (720p and 1080p) video system compatibility and HD Ready (HDMI technology and 720p) available, NTSC, NTSC 4:43, PAL, PAL-N, PAL-M and SECAM (480i/p and 576i/p)
<b>Video interface compatibility</b>	HDCP compliant HDMI, Composite, VESA® RGB with additional interface support for Component YPbPr and Component YCbCr inputs with the proper adapters (not included)
<b>Horizontal frequency</b>	15kHz–72 kHz
<b>Vertical frequency</b>	15Hz–75 Hz
<b>Clock frequency</b>	165 Mhz
<b>External management</b>	Infrared remote control, RS-232 control port, internal webpage, Crestron® RoomView® management via Ethernet



### Interactive whiteboard

<b>Touch resolution</b>	4000 × 4000
<b>Touch</b>	Robust single touch system
<b>Digitising technology</b>	Resistive technology
<b>Pen tray</b>	Optical sensors in the pen tray light to indicate the active tool.
<b>Accessories</b>	Four ergonomic pens with comfort grip and rectangular eraser
<b>Extended Control Panel (ECP)</b>	SB680i6 - included with the system

<b>Included cables and hardware SB680i6</b>	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
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<b>Theft protection</b>	Projector system padlock ring SB600 system - Kensington security slot
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## Connectors

<b>Projector connectors</b>	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
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<b>ECP connectors</b>	RJ11 6-wire SMART Hub™ SE collaboration platform DB15-M ECP harness cable to projector RCA (×3) Composite video and associated audio inputs USB A SMART Board 685 interactive whiteboard USB A (×3) USB drives or peripheral devices (not included) USB B Primary computer (desktop label) USB B Secondary computer (laptop label)
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## Computer requirements

<b>SB680i6</b>	Windows® operating system or Mac operating system software and SMART Notebook™ collaborative learning software installed. For a complete list of computer requirements, go to <a href="http://smarttech.com/downloads">smarttech.com/downloads</a> and browse to the latest SMART Notebook software release notes applicable to your operating system.
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## Storage and operating requirements

<b>Power requirements and consumption</b>	100V–240V AC at 50 Hz–60 Hz
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<b>Full mode</b>	360 W
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<b>ECO mode</b>	360 W
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<b>Standby mode</b>	0.5 W
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### Operating temperature

<b>Interactive whiteboard</b>	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')
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<b>Projector</b>	Standard speed: 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')
<b>Storage temperature</b>	-20°C (-4°F) to 50°C (122°F)
<b>Humidity</b>	Up to 80% storage relative humidity, non-condensing Up to 80% operating relative humidity, non-condensing

## Certification and compliance

<b>Regulatory certification</b>	CE, CB, CCC, CE, C-Tick, FCC, KC, GOST-R, NOM, PSB, PSE, TUV-GS, UL/CSA (US/Canada) and VCCI
<b>Environmental compliance</b>	
<b>China</b>	EIP
<b>European Union</b>	REACH, RoHS, WEEE, Battery, Packaging and ErP Standby
<b>US</b>	Packaging and Conflict Minerals

## Warranty

<b>Interactive whiteboard</b>	Two-year limited equipment warranty OR Five-year limited equipment warranty upon registration
<b>Projector</b>	Two-year limited equipment warranty
<b>Projector lamp</b>	1000-hour/one-year warranty
<b>ECP</b>	Two-year limited equipment warranty

## Purchasing information

### Order numbers

<b>SB680i6</b>	195.4cm (77") diagonal SMART Board interactive whiteboard with a SMART UF70 projector system. Includes a SMART Notebook software installation DVD.
<b>1020991</b>	Replacement lamp for SMART UF70 and UF70w projectors
<b>1013576</b>	Projector hardware kit (see <a href="http://smarttech.com/kb/160505">smarttech.com/kb/160505</a> )

### Optional extended warranty

<b>(EWY1-UF70)</b>	SMART UF70 projector one-year warranty extension (available at time of projector purchase only)
<b>(EWY3-UF70)</b>	SMART UF70 projector three-year warranty extension (available at time of projector purchase only)

<b>Optional accessories</b>	See <a href="http://smarttech.com/accessories">smarttech.com/accessories</a>
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smarttech.com/support  
smarttech.com/contactsupport

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