SMART.

Specifications

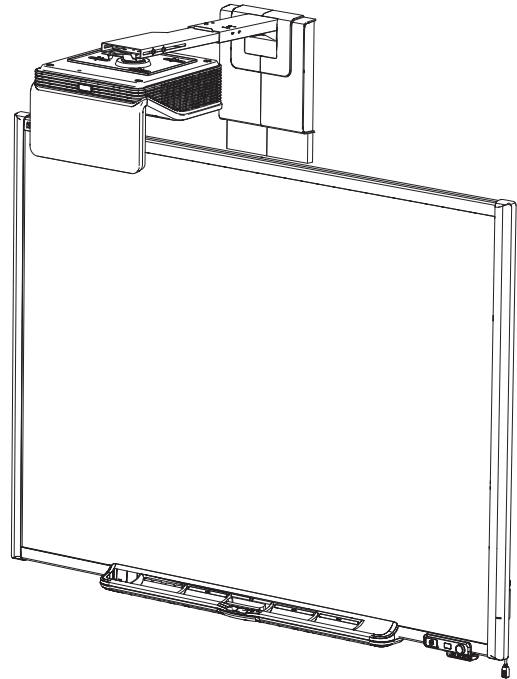# SMART Board® interactive whiteboard system
Model SB680i6

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.

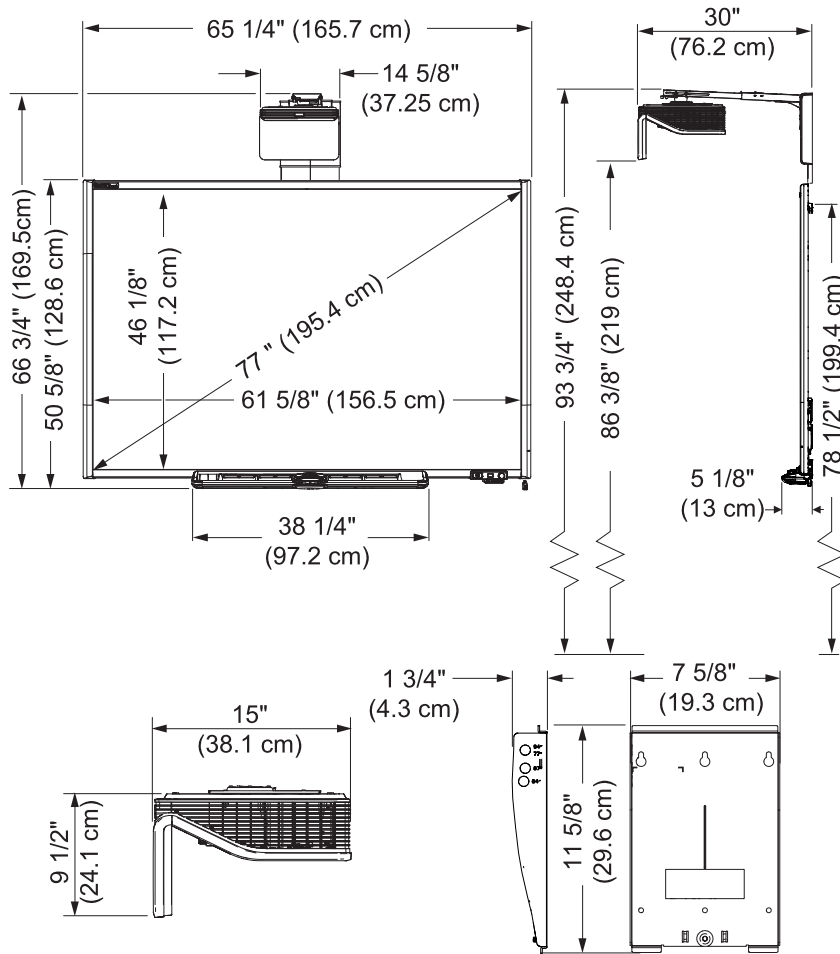See smarttech.com for more information on this product.

Dimensions and weights[1]

Dimensions

SMART Board 680 interactive whiteboard

Weight
30 lb. 14 oz. (13.6 kg)

Shipping dimensions
73 1/2" W × 54" H × 5 1/2" D
(186.7 cm × 137.2 cm × 14 cm)

Shipping weight
45 lbs. (20.5 kg)

SMART UF70 projector
Weight (projector only)
16 lb. 11 oz. (7.6 kg)

Weight (projector and boom)
28 lb. 6 oz.(12.9 kg)

Shipping weight
35 lb. 13 oz. (16.2 kg)

Projector dimensions
14 5/8" W × 9 1/2" H × 30" D
(37.1 cm × 24.1 cm × 76.2 cm)

Shipping dimensions
20" W × 15.1/2" H × 24" D
(50.8 cm × 39.4 cm × 61 cm)

Extended control panel (ECP)
Dimensions
6" W × 2 5/8" H × 2 1/4" D
(15.2 cm × 6.6 cm × 5.8 cm)

Weight
4 lb. 8oz.. (2.1 kg)

Shipping dimensions
9.3" W × 5" H × 10 3/8" D
(23.8 cm × 12.8 cm × 26.4 cm)

Remote control
Dimensions
1 5/8" W × 3 3/8" H × 1/4" D
(4.1 cm × 8.6 cm × 0.6 cm)

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[1]All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).

Hardware

Projector

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

Interactive whiteboard

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

Included cables and hardware SB680i6	14' 9" (4.5 m) power cable Infrared remote control 16' 5" (5 m) USB cable 13' 5.5" (4.1 m) 3.5 mm stereo audio cable Projector wiring harness
Theft protection	Projector system padlock ring SB600 system - Kensington security slot

Connectors

Projector connectors	3.5 mm phone jack audio input 3.5 mm 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 analog audio and composite video (red, white and yellow) Microphone 3.5 mm
ECP connectors	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)

Computer requirements

SB680i6	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

Power requirements and consumption	100V–240V AC at 50 Hz–60 Hz
Full mode	360 W
ECO mode	360 W
Standby mode	0.5 W

Operating temperature

Interactive whiteboard	41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m) 41°F to 86°F (5°C to 30°C) from 6000' to 9800' (1800 m to 3000 m)
Projector	Standard speed: 41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m) High speed: 41°F to 86°F (5°C to 30°C) from 6000' to 6800' (1800 m to 2100 m)

Storage temperature	-4°F (-20°C) to 122°F (50°C)
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 (U.S./Canada) and VCCI
Environmental compliance	
China	EIP
European Union	REACH, RoHS, WEEE, Battery, Packaging and ErP Standby
U.S.	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	
SB680i6	77" (195.4 cm) diagonal SMART Board interactive whiteboard with a SMART UF70 projector system. Includes a SMART Notebook software installation DVD.
1020991	Replacement lamp for SMART UF70 and 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

smarttech.com/support
smarttech.com/contactsupport