

Specifications

SMART Board® interactive whiteboard system

Model SB685i6

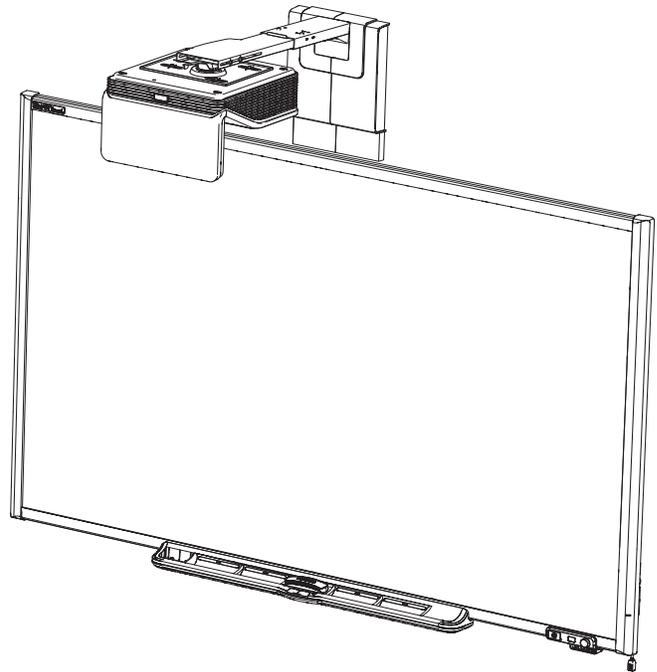
Overview

Your SMART Board 685i6 interactive whiteboard system combines the use of a SMART Board 600 series interactive whiteboard and a the SMART UF70w projector along with other accessories and optional equipment.

The SMART UF70w 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 SB685 series interactive whiteboard is a single user one touch system that provides unmatched durability and unceasing performance under any conditions.

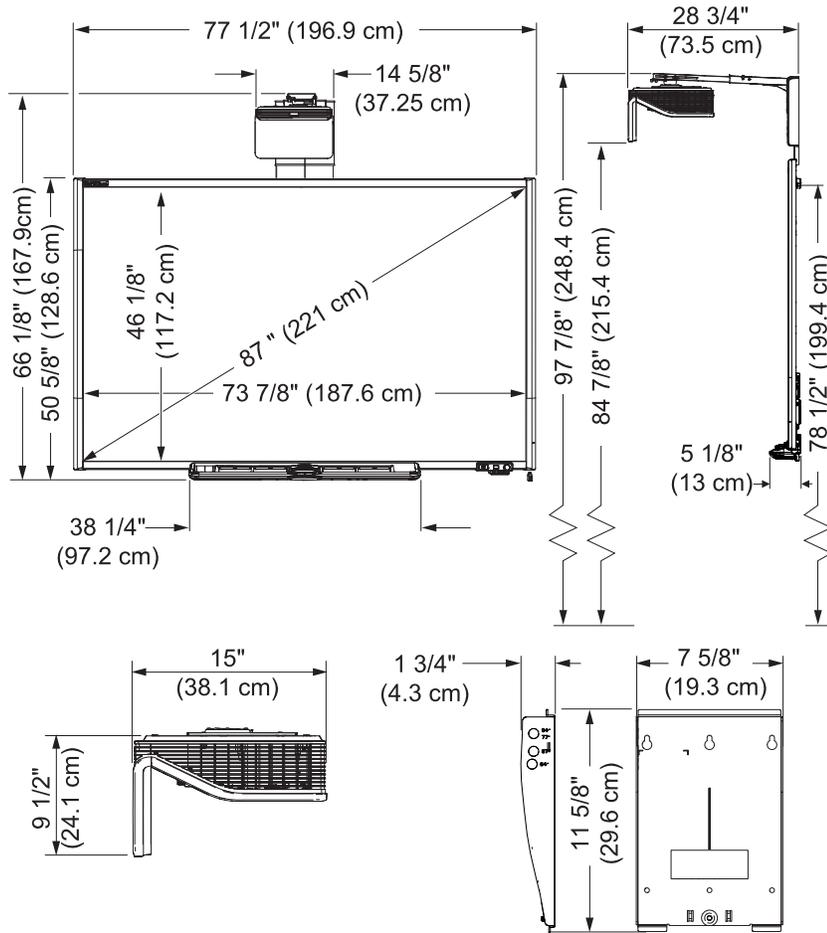
The SB685i6 system supports video and audio from a variety of devices, including DVD and Blu-ray™ players, document cameras, and other high-definition sources, and is displayed on the interactive screen. All HDMI 1.4 inputs are HDCP compliant.

See smarttech.com for more information on this product.



Dimensions and weights¹

Dimensions



SMART Board 685 interactive whiteboard

Weight

42 lb. (19.1 kg)

Shipping dimensions

54" W × 86.1/4" H × 5 1/2" D
(137.2 cm × 219.1 cm × 14 cm)

Shipping weight

63 lb. (28.6 kg)

SMART UF70w projector

Weight (projector only)

16 lb 11 oz. (7.6 kg)

Weight (projector + boom)

28 lb. 6 oz. (12.9 kg)

Shipping weight

35 lb. 13 oz. (16.2 kg)

Projector dimensions

14 5/8" W × 9.5" H × 28 3/4" D
(37.1 cm × 24.1 cm × 73 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. 8 oz (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)

¹All 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	WXGA 1280 × 800
Aspect ratio	16:10 with support for 16:9, and 4:3 and 5:4 ratio with scaling
Throw ratio	Short throw 0.35:1 ratio
Throw distance	25.75" (65.5 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 ²	Up to 3000 hours in Standard 230 W mode. Up to 4000 hours in Economy 190 W mode.
Integrated loud speaker	9 W rms
Projector noise	32 dBA standard fan speed and 37dBA high 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	15 kHz–72 kHz
Vertical frequency	15 Hz–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.

²Lamp life varies depending on the selected mode, environmental factors and projector use. Over time, the lamp's brightness decreases.

SPECIFICATIONS

SMART BOARD® INTERACTIVE WHITEBOARD SYSTEM – MODEL SB685I6

Accessories Four ergonomic pens with comfort grip and rectangular eraser

Extended Control Panel (ECP) SB685i6 - included with the system.

Included cables and hardware
SB685i6 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)
Cat 5- ethernet cable
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

SB685i6 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	CB, CCC, CE, C-Tick, FCC, KC, GOST-R, NOM, PSB, PSE, SASO, 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	Three-year limited equipment warranty
Projector lamp	1000-hour/one-year warranty
ECP	Three-year limited equipment warranty

Purchasing information

Order numbers

SB68516	87" (221 cm) diagonal SMART Board interactive whiteboard with a SMART UF70w 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-UF70W)	SMART UF70w projector one-year warranty extension (available at time of projector purchase only)
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SMART BOARD® INTERACTIVE WHITEBOARD SYSTEM – MODEL SB68516

(EWY2-UF70W) SMART UF70w projector two-year warranty extension
(available at time of projector purchase only)

Optional accessories See smarttech.com/accessories

smarttech.com/support
smarttech.com/contactsupport

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