SMART

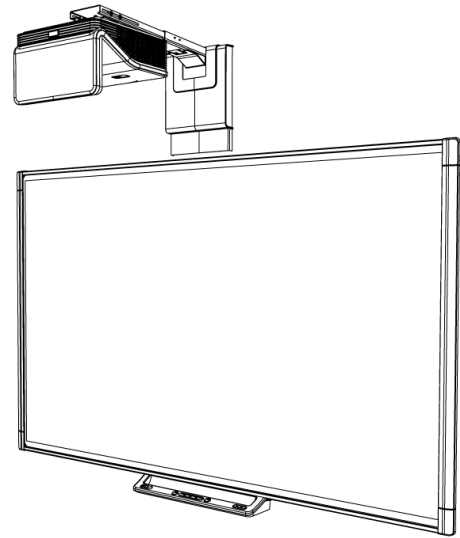# SMART Board® interactive whiteboard system

Model SBM685i6

Overview

Your SMART Board® M685i6 interactive whiteboard system combines the use of a SMART Board M685 interactive whiteboard and a 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 SBM685i6 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]
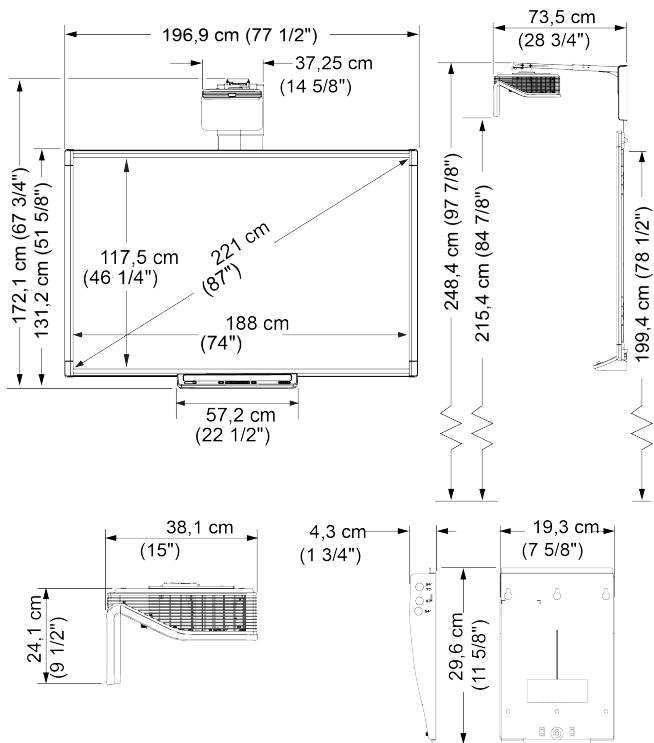
Dimensions

SMART Board M685 interactive whiteboard Weight

23.1kg (51lb)

Dispatch dimensions
208.3cm W × 134.6cm H × 11.4cm D
(82" × 53" × 4 1/2")

Dispatch weight
31.3kg (69 lb)

SMART UF70w projector

Weight (projector only)
7.6kg (16lb 11oz)

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

Dispatch dimensions
50.8cm W x 39.4cm H x 61cm D
(20" × 15 1/2" × 24")

Dispatch weight
16.2kg (35lb 13oz)

Accessory box

Dispatch dimensions
83.8cm W x 10.2cm H x 17.8cm D
(33" × 4" × 7")

Dispatch weight
2.4kg (5lb 3oz)

---

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

Hardware

Projector

Brightness (standard)	3000 lumens in 230 W mode at a CCT of 6500 K by the IEC method
Brightness (economy)	2250 lumens in 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, 4:3 and 5:4 ratio with scaling
Throw ratio	Short throw 0.35:1 ratio
Throw distance	65.5cm (25 3/4")
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) or 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	15 kHz–72 kHz
Vertical frequency	15 Hz–75 Hz
Clock frequency	165 MHz
External management	Infrared remote control, RS-232 control port, internal webpage, Crestron® RoomView® management via Ethernet.
	CRESTRON®
Theft protection	Projector system padlock ring
Included cables and hardware	4.5m (14' 9") power cable
	Infrared remote control measuring 4.1cm W x 8.6cm H x 0.6cm D (1 5/8" × 3 3/8" × 1/4") 5m (16') USB cable Projector wiring harness

Interactive whiteboard

Multitouch capabilities	Support for two simultaneous touches enables up to two users to interact with the interactive whiteboard by using the pens included or other objects, or by using their fingers to write and to perform gestures.
Digitising technology	Four-camera DViT® (Digital Vision Touch) technology

Pen tray	The pen tray connects to the interactive whiteboard. Use the colour select buttons to change digital ink colours. The on-screen keyboard, the right-click and the orientate features are also accessible with pen tray buttons. Basic projector controls are accessible from the pen tray, including power, volume control and input select.
Pen	Includes two pens
Power requirements	1.8m (6') power cable Power consumption is less than 7 W (100V to 240V AC, 50/60 Hz, 5V DC 2.0A).
Computer connection	5m (16') USB 2.0 cable

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) 3.5mm microphone
Pen tray connectors	DB15-M connects harness cable to projector 4-pin room control system via SB8-CTRL adapter cable USB A connects to interactive whiteboard USB B (×2) connects to primary and secondary computers (desktop/laptop labels) USB A for USB drive RCA analogue audio and composite video (red, white and yellow)

Computer requirements

SBM685i6	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
Economy mode	360 W
Standby mode	0.5 W
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	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 2100m (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	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 and Packaging
US	Packaging and Conflict Minerals

Warranty

Interactive whiteboard	Two-year limited equipment warranty
Projector	Two-year limited equipment warranty
Projector lamp	1000-hour/one-year warranty

Purchasing information

Order numbers	
SBM685i6	221cm (87") diagonal SMART Board M685 interactive whiteboard with a SMART UF70w projector system. Includes a SMART Notebook software installation DVD.
1020991	Replacement lamp module for SMART UF70 / UF70w projectors
1013576	Projector mounting kit (see smarttech.com/kb/160505)
1020342	SMART Board interactive whiteboard hardware kit (see smarttech.com/kb/170475)
Optional extended warranty	
EWY1-UF70W	SMART UF70w projector one-year warranty extension (available at time of projector purchase only)
EWY3-UF70W	SMART UF70w projector three-year warranty extension (available at time of projector purchase only)
EWY1-SBM	SMART Board M600 series interactive whiteboard one-year warranty extension (available at time of projector purchase only)
EWY3-SBM	SMART Board M600 series interactive whiteboard three-year warranty extension (available at time of projector purchase only)
Optional accessories	See smarttech.com/accessories

smarttech.com/support
 smarttech.com/contactsupport