

Specifications

SMART Board® interactive whiteboard system

Model SBM685ix2

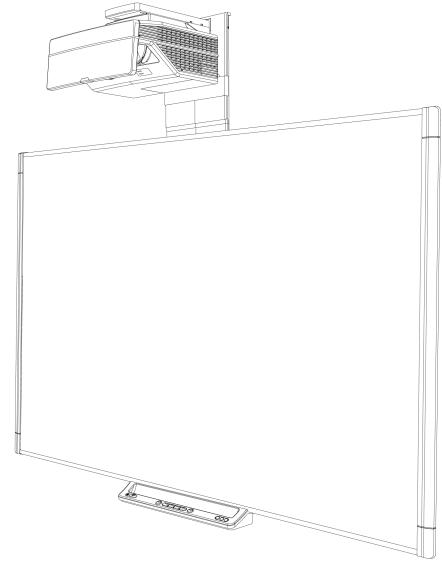
Overview

Your SMART Board® M685ix2 interactive whiteboard system combines the use of a SMART Board M685 interactive whiteboard, a SMART UX80 projector, and other accessories and optional equipment.

It uses the WXGA (16:10) ultra-short-throw, high-offset SMART UX80 projector and delivers 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 projector supports video and audio connections from a variety of devices including DVD and Blu-ray™ players, document cameras, and other high-definition sources, and can project media from these sources onto the interactive screen. All HDMI 1.4 inputs are HDCP compliant

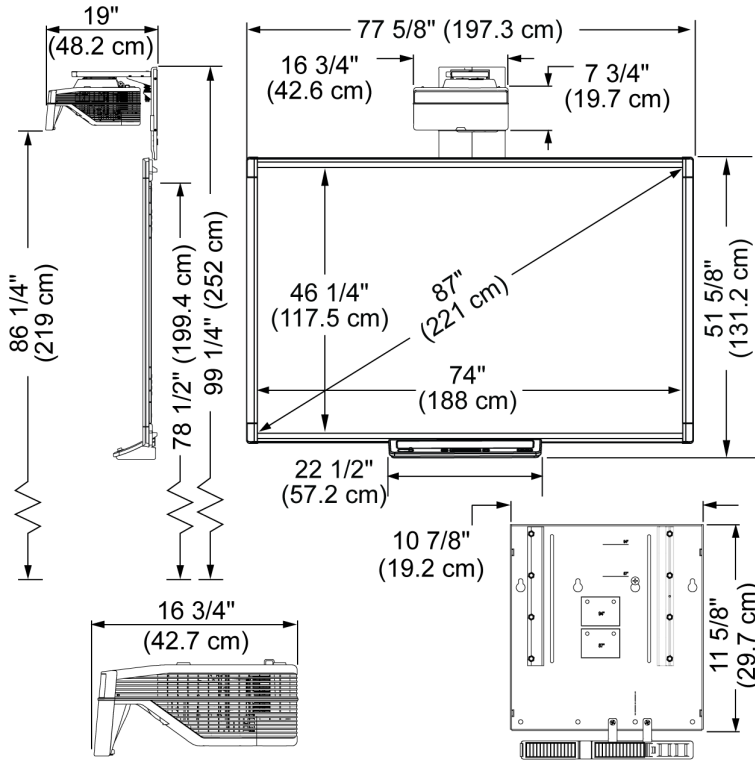
See smarttech.com for more information on this product.



SPECIFICATIONS

SMART BOARD INTERACTIVE WHITEBOARD SYSTEM – MODEL SBM685IX2

Dimensions and weights¹



SMART Board M685 interactive whiteboard

Weight

51 lb. (23.1 kg)

Shipping dimensions

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

Shipping weight

69 lb. (31.3 kg)

SMART UX80 projector

Weight (projector only)

19 lb. 6 oz. (8.8 kg)

Weight (projector and boom)

33 lb. 12 oz. (15.3 kg)

Shipping dimensions

25 5/8" W × 23 5/8" H × 15 3/4" D
(65 cm × 60 cm × 40 cm)

Shipping weight

42 lb. 5 oz. (19.2 kg)

Accessory box

Shipping dimensions

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

Shipping weight

5 lb. 3 oz. (2.4 kg)

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

Hardware

Projector

Brightness (standard)	3600 lumens (typical) in 280 W mode at a CCT of 6500 K by the IEC method
Brightness (economy)	2880 lumens (typical) in 230 W mode at a CCT of 6500 K by the IEC method
Native resolution	WXGA 1280 × 800
Aspect ratio	Native 16:10 aspect ratio with support for 16:9, 5:4 and 4:3 aspect ratios with source image scaling.
Throw ratio	Ultra-short throw 0.18:1 ratio
Throw distance	14 3/4" (37.5 cm)
Display technology	Single chip DLP® technology by Texas Instruments™
Lamp life ²	Up to 2500 hours in Standard 280 W mode. Up to 3000 hours in Economy 230 W mode.
Integrated speaker	10 W mono
Projector noise	36 dBA (high fan speed) or 33 dBA (standard fan speed) measured using the JBMA method
Contrast ratio (typical)	2000:1
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, SDTV (480i/p and 576i/p).
Video interface compatibility	HDMI 1.4 (×2) and VGA (RGB or Component)
Horizontal frequency	15 kHz–68 kHz
Vertical frequency	25 Hz–85 Hz
Clock frequency	25 MHz–150MHz
External management	IR remote control, RS-232 control port, internal web page, Crestron® RoomView® management via Ethernet.



Interactive whiteboard

Multitouch capabilities	Support for two simultaneous touches enables up to two users to interact with the interactive whiteboard by using the included pens or other objects, or by using their fingers to write and to perform gestures.
Pen tray	The pen tray connects to the interactive whiteboard. Use the color select buttons to change digital ink colors. The on-screen keyboard, the right-click and the orient 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

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

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Digitizing technology	Four-camera DViT® (Digital Vision Touch) technology
Frame finish	White and light gray (approximates PANTONE® Cool Gray 4C)
Computer connection	16' (5 m) USB 2.0 cable
Power requirements	6' (1.8 m) power cable. Power consumption is less than 7 W (100V to 240V AC, 50/60 Hz. 5V DC 2.0A).
Included cables and hardware	Infrared remote control 14' 9" (4.5 m) power cable 16' 5" (5 m) USB cable 13' 5 1/2" (4.1 m) 3.5 mm stereo audio cable Projector wiring harness Video connection kit
Theft protection	Projector system padlock ring
Computer	See smarttech.com/SMARTNotebookReleaseNotes

Connectors

Projector connectors	3.5 mm phone jack audio input 3.5 mm phone jack audio output DB15F RGB VGA video input DB9F RS-232 control port HDMI 1.4 input (x2) Power (100V–240V AC at 50 Hz–60 Hz) USB B port for service use only RJ45 Ethernet connector RJ45 second projector control 7-pin mini-DIN for ECP data 4-pin power-DIN 5V/2A output connector for ECP USB hub/switch power
Pen tray connectors	DB15-M connects harness cable to projector 4-pin room control system via SB8-CTRL adapter cable USB A connects to SMART Board M685 interactive whiteboard USB B (x2) connects to primary and secondary computers (desktop/laptop labels) USB A for USB drive RCA analog audio and composite video (red, white and yellow)

Storage and operating requirements

Power consumption	
Full mode	375 W
Standard mode	311 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 to 122°F (-20°C to 50°C)
Humidity	5% to 95% storage relative humidity, non-condensing. 5% 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 (U.S./Canada) and VCCI

Environmental compliance

China	EIP
European Union	REACH, RoHS, WEEE, Battery and Packaging
U.S.	Packaging and Conflict Minerals

Warranty

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

Purchasing information

Order numbers

SBM685ix2	87" (221 cm) diagonal SMART Board M685 interactive whiteboard with a SMART UX80 projector system. Includes a SMART Notebook software installation DVD.
1018740	Replacement SMART UX80 projector lamp module
1013576	Projector mounting kit (see smarttech.com/kb/160505)
1020342	SMART Board interactive whiteboard hardware kit (see smarttech.com/kb/170475)

Optional extended warranty

EWY2-UX80	SMART UX80 projector two-year extended warranty (available at time of projector purchase only)
EWY1-SBM	SMART Board M600 series interactive whiteboard one-year extended warranty (available at time of projector purchase only)
EWY3-SBM	SMART Board M600 series interactive whiteboard three-year extended warranty (available at time of projector purchase only)

Optional accessories See smarttech.com/accessories

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SMART BOARD INTERACTIVE WHITEBOARD SYSTEM – MODEL SBM6851X2

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