SMART Board® interactive whiteboard system
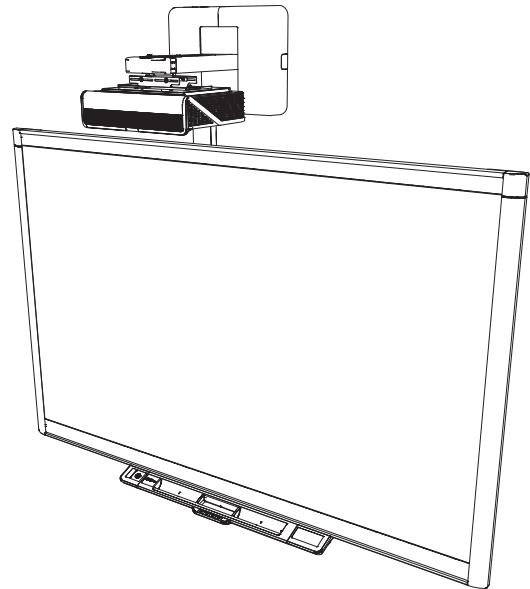
Model SB880ix3

Overview

Your SMART Board® SB880ix3 interactive whiteboard system combines the use of SMART Board 800 series interactive whiteboard and a SMART U100 projector along with other accessories and optional equipment.

The SMART U100 projector provides an ultra-bright high resolution image on a short boom delivering high definition, high performance interactivity that is virtually free of shadows or glare. 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. Four users can draw on the interactive surface at the same time, and you can use an array of gestures within applications.

The SB880ix3 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.

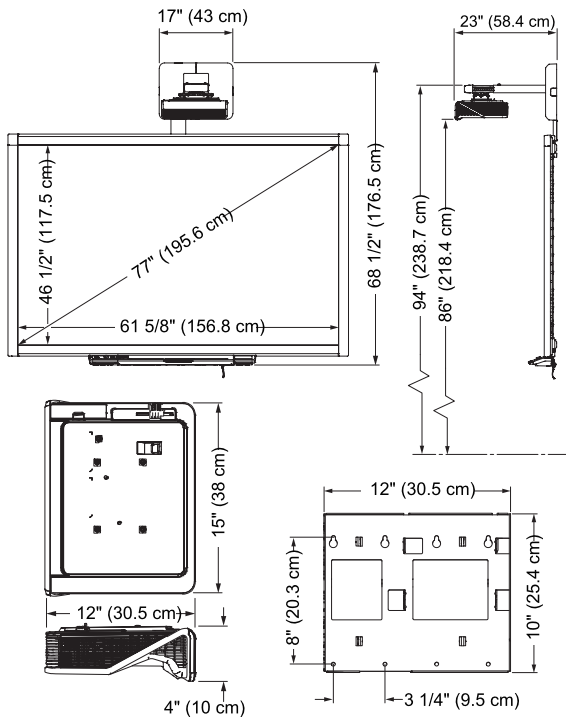See smarttech.com for more information on this product.

Dimensions and weights[1]

Dimensions

SMART Board 880 interactive whiteboard

Weight
47 lb. (21.5 kg)

Shipping dimensions
4 1/2" W × 55 7/8" H × 76 1/4" D
(11.4 cm × 141.9 cm × 193.7 cm)

Shipping weight
62 lb. 13 oz. (28.5 kg)

Accessory Kit (includes pen tray)

Weight
12 lb. (5.5 kg)

Shipping dimensions
40 1/8" W × 7" H × 3 7/8" D
(102 cm × 17.7 cm × 9.8 cm)

SMART U100 projector

Weight (projector only)
10 lb. (4.5 kg)

Weight (projector and boom)
22 lb. (10 kg)

Shipping weight (projector)
13 lb. 6 oz. (6.1 kg)

Shipping dimensions (projector)
15 1/2" W × 8 1/2" H × 19 1/2" D
(39.5 cm × 21.5 cm × 49.5 cm)

Shipping weight (boom)
14 lb. 8 oz. (6.6 kg)

Shipping dimensions (boom)
18 1/2" W × 12 3/4" H × 11 1/8" D
(46.8 cm × 32.4 × 28.2 cm)

Projector dimensions
15" W × 4" H × 12" D
(38 cm × 10 cm × 30.5 cm)

Extended control panel (ECP)

Dimensions
6 5/8" W × 2 1/8" H × 4 5/8" D
(16.8 cm × 5.5 cm × 11.9 cm)

Weight
5 lb 11 oz. (2.6 kg)

Shipping dimensions
16 1/2" W × 14" H × 3" D
(41.9 cm × 35.6 cm × 7.6 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)	3600 lumens 260 W mode at a CCT of 6500 K by the IEC method
Brightness (economy)	2880 lumens 220 W mode at a CCT of 6500 K by the IEC method
Native resolution	XGA 1024 × 768
Aspect ratio	4:3
Throw ratio	Short throw 0.33:1 ratio
Throw distance	10 3/8" (26.4 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. Philips® ImageCare™ lamp control technology extends lamp life.[2]
Lamp life	5000 hours in Standard 260 W mode. 6500 hours in Economy 220 W mode (ImageCare on). 3000 hours in Standard 260 W mode. 5000 hours in Economy 220 W mode (ImageCare off).
Integrated loud speaker	9 W rms
Projector noise	35 dBA (high fan speed) or 32 dBA (standard fan speed), measured using the JIS method
Contrast ratio (typical)	2900:1
Video system compatibility	HDTV (720p and 1080i) 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
Theft protection	Projector system padlock ring and Kensington security slot

Interactive whiteboard

Touch resolution	4000 × 4000

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[2]Estimates of extended hours using ImageCare technology apply in specific classroom usage scenarios: Maximum 6 hours per day, 5 days a week, 200 days per year with a mix of static and moving images.

Touch and gestures	Users can interact with the interactive whiteboard using the included pens or other objects or by using their fingers to write, erase and perform mouse functions. The Object Awareness feature enables you to pick up a pen, and then write, select or erase without replacing the pen. This interactive whiteboard also features gesture capability, providing a natural and flexible way to interact with content.
Digitizing technology	Four-camera DViT® (Digital Vision Touch) technology with steel coated dry erase surface
Pen tray	Optical sensors in the pen tray detect when you lift a pen or eraser from the tray. Color buttons on the pen tray enable you to select pen color.
Accessories	Two ergonomic pens with comfort grip and rectangular eraser
Extended Control Panel (ECP)	SB880ix3 – included with the system, not pre-attached to the pen tray
Included cables and hardware SB880ix3	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	SB800 system – Kensington security slot

Connectors

Projector connectors	3.5 mm phone jack VGA 1 audio input
	3.5 mm phone jack line out (×2)
	DB15F RGB VGA video input (VGA In)
	DB15F RGB VGA video output (VGA Out)
	DB9F RS-232 control port
	HDMI 1.4 input (×2)
	Power (100V–240V AC at 50 Hz–60 Hz)
	USB B receptacle (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
	USB A receptacle (for HDMI streaming device), power only +5 VDC
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 USB drive or peripheral devices (not included)
	USB B Primary computer (desktop label)
	USB B Secondary computer (laptop label)

Computer Requirements

SB880ix3	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	290 W
Standby mode	0.5 W
Operating temperature	
Interactive whiteboard	41℉ to 95℉ (5℃ to 35℃) from 0' to 6000' (0 m to 1800 m) 41℉ to 86℉ (5℃ to 30℃) from 6000' to 9800' (1800 m to 3000 m)
Projector	Standard speed: 41℉ to 95℉ (5℃ to 35℃) from 0' to 6000' (0 m to 1800 m) High speed: 41℉ to 86℉ (5℃ to 30℃) from 6000' to 6800' (1800 m to 2100 m)
Storage temperature	-4℉ (-20℃) to 122℉ (50℃)
Humidity	Up to 85% storage relative humidity, non-condensing Up to 85% operating relative humidity, non-condensing

Certification and compliance

Regulatory certification	CE, CB, CCC, CE, C-Tick, FCC, KC, NOM, PSB, PSE, 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

SB880ix3	77" (195.6 cm) diagonal SMART Board interactive whiteboard with a SMART U100 projector system. Includes a SMART Notebook software installation DVD.
1026952	Replacement lamp module for SMART U100 and U100w projectors
1013576	Projector mounting kit (see smarttech.com/kb/160505)

Optional extended warranty

EWY1-U100	SMART U100 projector one-year warranty extension (available at time of projector purchase only)
EWY2-U100	SMART U100 projector two-year warranty extension (available at time of projector purchase only)
Optional accessories	Also see smarttech.com/accessories
1013458	VGA connection kit for SMART Board 800 series interactive whiteboards.
1016404	RCA connector pod for SMART Board 800 series interactive whiteboards.

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