

# Specifications

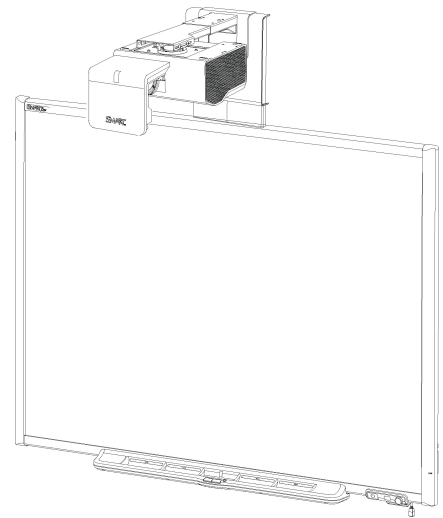
## SMART Board™ interactive whiteboard system

### Model 690i5

#### Physical specifications

##### SMART Board 690 interactive whiteboard

Size	85 3/4" W × 49 1/2" H × 5 1/8" D (217.8 cm × 125.7 cm × 13 cm)
Active screen area (maximum interactive projected image)	82 1/8" W × 46 1/8" H (208.6 cm × 117.2 cm) 94 1/4" diagonal (239.3 cm) 16:9 aspect ratio
Weight	48 lb. (21.8 kg)
Shipping size	54" W × 94 1/2" H × 5 1/2" D (137.2 cm × 240 cm × 14 cm)
Shipping weight	78 lb. (35.4 kg)



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

##### SMART UF75w projector

Projector	14" W × 15 1/2" H × 29 3/4" D (35.6 cm × 39.4 cm × 75.6 cm)
Remote control	1 5/8" W × 3 3/8" H × 1/4" D (4 cm × 8.6 cm × 0.7 cm)
Weight	17 lb. (7.7 kg)
Shipping size	20" W × 15 1/2" H × 24" D (50.8 cm × 39.4 cm × 61 cm)
Shipping weight	32 lb. (14.5 kg)

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## SPECIFICATIONS

SMART Board™ interactive whiteboard system – Model 69015

### Extended control panel (ECP)

Size	6" W × 2 5/8" H × 2 1/4" D (15.2 cm × 6.6 cm × 5.8 cm)
Weight	13 lb. 8 oz. (6.1 kg)
Shipping size	9 3/8" W × 5" H × 10 3/8" D (23.8 cm × 12.8 cm × 26.4 cm)
Shipping weight	2 lb. 12 oz. (1.3 kg)

### Standard features

<b>System requirements</b>	Windows® operating systems or Mac operating system software as detailed in the SMART Notebook™ collaborative learning software release notes ( <a href="http://smarttech.com/kb/126571">smarttech.com/kb/126571</a> ).
<b>Software</b>	Two software CDs are included with your interactive whiteboard: SMART Product Drivers and SMART Notebook software. Software upgrades are available from <a href="http://smarttech.com/software">smarttech.com/software</a> .
<b>Environmental compliance</b>	China EIP, EU WEEE, US CPSIA, Covered Electronics Devices, Packaging, Batteries and EU RoHS
<b>Regulatory certification</b>	UL (U.S./Canada), GOST-R, CE, FCC, C-Tick, KC, NOM, PSB, CCC, PSE and VCCI
<b>Warranty</b>	The projector and ECP have a three-year limited equipment warranty. The SMART UF75w projector lamp has a 500 hour/90 day warranty. Your interactive whiteboard has a two-year limited equipment warranty or a five-year limited equipment warranty upon registration. See warranty documents for details.
<b>Power consumption</b>	301 W in Standard mode and less than 1 W in Standby mode, in accordance with EuP regulations
<b>Cables</b>	Includes the necessary cables to connect the projector to the ECP. However, you must supply the appropriate input cables for your devices.

### Interactive whiteboard features

<b>Pen tray</b>	Optical sensors in the pen tray detect when you lift a pen or the eraser from the tray. Indicator lights indicate the active tool.
<b>Pens and eraser</b>	Black, red, green and blue pens and a rectangular eraser
<b>Resolution</b>	Touch resolution is approximately 4000 × 4000.

## SPECIFICATIONS

SMART Board™ interactive whiteboard system – Model 690i5

<b>Screen surface</b>	The hard-coated surface is tear proof, optimized for projection, compatible with dry-erase markers and easily cleaned with whiteboard cleaner.
<b>Digitizing technology</b>	Resistive technology
<b>Projector mounting template</b>	Ensures simple installation and accurate alignment between your projector and your interactive whiteboard
<b>Frame finish</b>	Two-tone gray (Dark gray approximates PANTONE® Charcoal Gray 18-0601 TPX. Light gray approximates PANTONE Cool Gray 6C.)
<b>Wall-mount brackets</b>	Includes two 32" (81.3 cm) wide brackets, ten screws and ten drywall anchors to support your wall-mounted interactive whiteboard
<b>Installation instructions</b>	The installation instructions for your SMART Board 690i5 interactive whiteboard system are included in the box with the ECP. Don't use the installation instructions included in the interactive whiteboard box when installing your SMART Board 690i5 interactive whiteboard system. Additional documentation is available from <a href="http://smarttech.com/support">smarttech.com/support</a> .
<b>Theft prevention</b>	The pen tray has a locking feature and a Kensington® security slot.
<b>SMART UF75w projector features</b>	
<b>System components</b>	SMART UF75w projector, wall mount, ECP, remote control and all input cables necessary to connect the ECP to the projector
<b>Image adjustment</b>	The wall mount includes mechanical adjustments for aligning the projector image with the interactive whiteboard. The projector also has a focus lever and a digital on-screen menu for adjusting brightness, contrast and other image-related attributes.
<b>Display type</b>	WXGA 1280 × 720 when you select native 16:9 aspect ratio from the service menu
<b>Display technology</b>	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.
<b>3D technology</b>	3D-ready projector using DLP Link™ technology
<b>Brightness</b>	Estimated at 2500 lumens (typical) at a CCT of 6500 K by the IEC method
<b>Lamp life</b>	2500 hours in Standard 230 W mode. 4000 hours in Economy 190 W mode
<b>Aspect ratio</b>	16:9 with support for 16:10 and 4:3 ratios. Support for 5:4 ratio with scaling
<b>Contrast ratio</b>	2900:1

## SPECIFICATIONS

SMART Board™ interactive whiteboard system – Model 69015

**Video system compatibility** NTSC, NTSC 4:43, PAL, PAL-N, PAL-M and SECAM

**Video interface compatibility** HDMI™, Composite, S-video, VESA® RGB with additional interface support for Component YPbPr and Component YCbCr inputs with the proper adapters (not included)

**Video format compatibility** The projector has a native 16:9 aspect ratio XGA resolution, which you must select through the service menu, and supports VGA, SVGA, SXGA, Quad VGA, SXGA+ and UXGA formats with scaling.

**Synchronization** Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)

**Mounting hardware** Includes hardware for mounting the projector to framed and solid walls. Also includes a safety tether.

### Input/output connections

Connector	Connects to
Power	Power supply
4-pin power mini-DIN 5V/2A output	ECP harness cable
7-pin mini-DIN	ECP harness cable
DB9 RS-232	Room control system
DB15F RGB video input (VGA 1)	Primary computer (not included)
DB15F RGB video input (VGA 2)	Secondary computer (not included)
3.5 mm phone jack audio input (×2)	Primary and secondary computer audio inputs
DB15F RGB video output (VGA Out)	Secondary display (not included)
3.5 mm phone jack audio output	External audio system (not included)
RCA composite video input (and left and right RCA audio input)	Video source (not included) through ECP harness cable
4-pin mini-DIN S-video input (and left and right RCA audio input)	Video source (not included)
RJ45	Network (for web page management and SNMP access)

**Projector fan operating temperatures**

- 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)

**Projector noise** 36 dBA at high speed and 31 dBA at standard speed, measured using the JIS method

**Power requirements** 100V–240V AC at 50 Hz–60 Hz

## SPECIFICATIONS

SMART Board™ interactive whiteboard system – Model 690i5

<b>Power cable</b>	Includes a 14' 9" (4.5 m) power cable
<b>External control</b>	The RS-232 control module connector is configured to accept control codes from your computer or a room control system.
<b>Remote control</b>	Provides an alternative method of adjusting the SMART UF75w projector settings
<b>Theft protection</b>	The projector system features an optional padlocked ring to prevent theft. The Kensington® security slot can affix the system to a wall as a visual and physical theft deterrent.

## ECP features

<b>Input/output connections</b>	<b>Connector</b>	<b>Connects to</b>
	RJ11 6-wire	SMART Hub™ SE collaboration platform
	USB A (×3)	USB drives or peripheral devices (not included)
	RCA (×3)	Composite video and associated audio inputs
	DB15-M	ECP harness cable
	USB B	Primary computer
	USB B	Secondary computer
	USB A	SMART Board 690 interactive whiteboard

<b>Volume control</b>	Controls sound range
<b>Power button</b>	Turns the interactive whiteboard and projector on and off
<b>Input selection button</b>	Select the projector video and audio inputs from the available sources: <ul style="list-style-type: none"><li>• VGA 1 (primary computer)</li><li>• VGA 2 (secondary computer)</li><li>• Composite</li><li>• S-video</li><li>• HDMI</li></ul>

## Storage and operating specifications

<b>Storage</b>	<ul style="list-style-type: none"><li>• Maximum storage temperature: 158°F (70°C) with up to 80% humidity, non-condensing</li><li>• Minimum storage temperature: -4°F (-20°C) with up to 80% humidity, non-condensing</li></ul>
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## SPECIFICATIONS

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- Operation**
- At standard fan speed, 41°F to 95°F (5°C to 35°C) from 0' to 6000' (0 m to 1800 m)
  - At high fan speed, 41°F to 86°F (5°C to 30°C) from 6000' to 6800' (1800 m to 2100 m)
  - In Service mode, 41°F to 86°F (5°C to 30°C) from 6800' to 9800' (2100 m to 3000 m)

## SMART order numbers

- SB690i5** SMART Board 690 interactive whiteboard with a SMART UF75w projector
- 20-01501-20** Lamp module replacement kit for SMART UF75 and SMART UF75w projectors

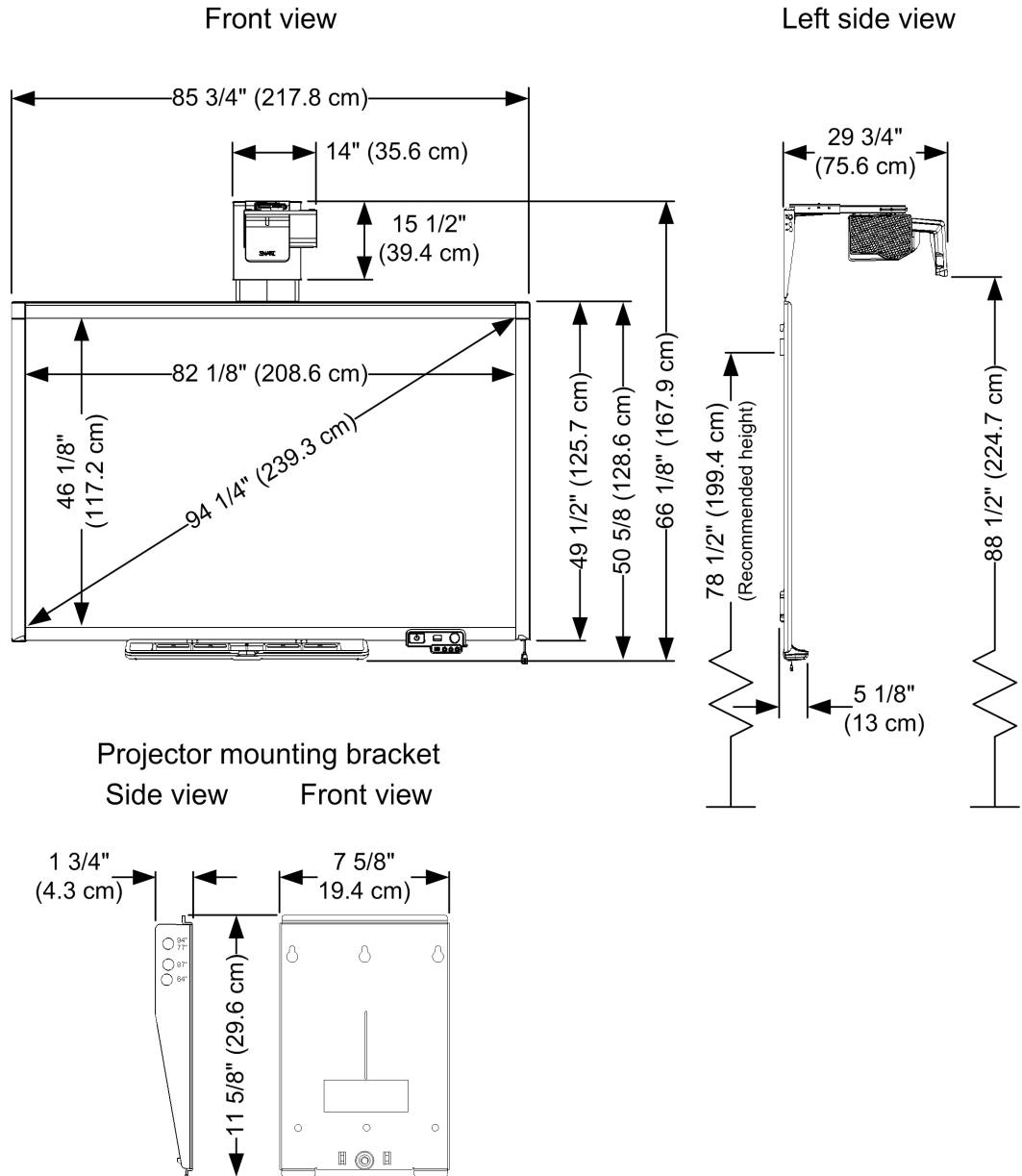
## Optional accessories

- SBX8-CTRL** Room control system adapter cable for SMART Board 690 interactive whiteboards
- RPEN** Replacement set of four pen tray pens (black, red, green and blue)
- RPEN-ER** Replacement set of four pen tray pens (black, red, green and blue) and a rectangular eraser
- SBA-L** Projection Audio System for SMART Board 690 interactive whiteboards
- USB-XT** USB extender

## SPECIFICATIONS

SMART Board™ interactive whiteboard system – Model 69015

### Physical dimensions



[www.smarttech.com/support](http://www.smarttech.com/support) | [www.smarttech.com/contactsupport](http://www.smarttech.com/contactsupport)  
 Support +1.403.228.5940 or Toll Free 1.866.518.6791 (U.S./Canada)

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