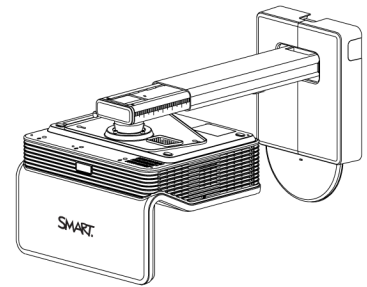SMART®

Specifications

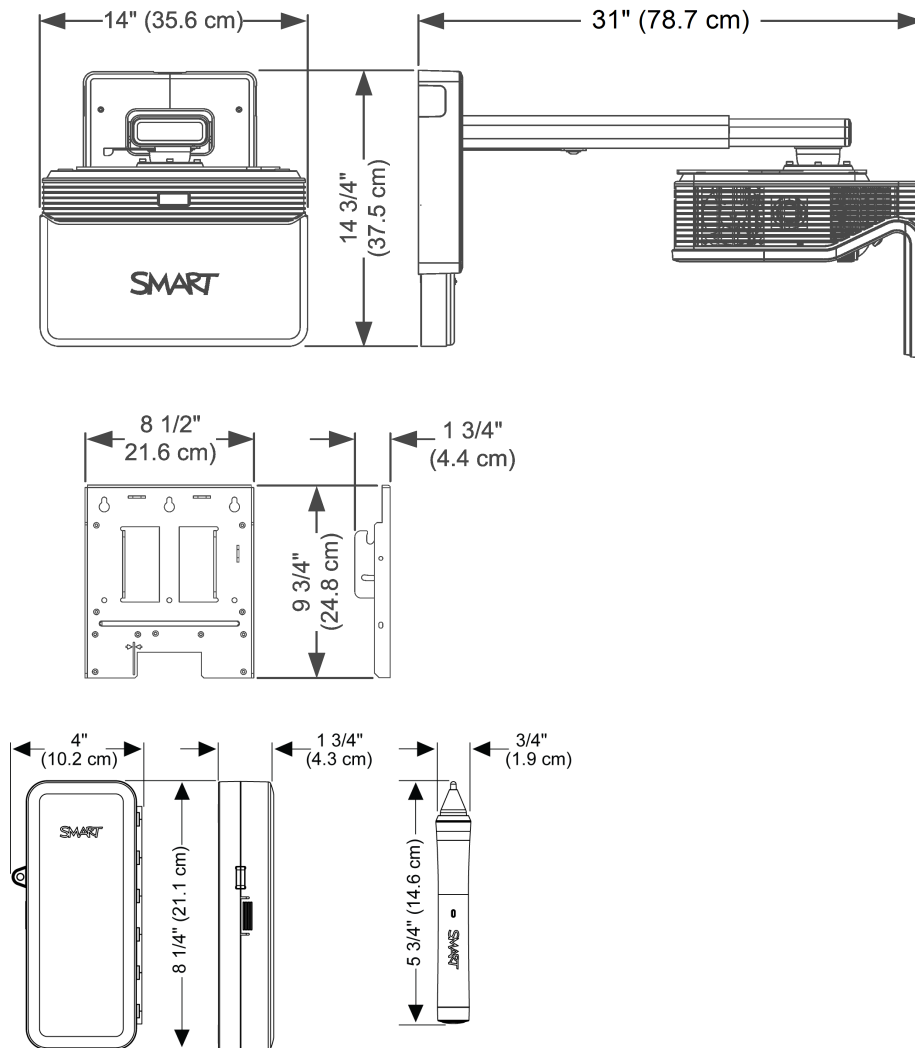# LightRaise® 60wi interactive projector
Model SLR60wi

Overview

TheLightRaise® 60wi interactive projector is a wall-mounted, short-throw projector that transforms any wall or dry-erase whiteboard into an interactive surface.The SLR60wi interactive projector provides touch and pen-enabled input, enabling two users to simultaneously write, draw and manipulate content in SMART Notebook® collaborative learning software using a finger or the interactive pens.

See smarttech.com for more information on this product.

Dimensions and weights[1]

Dimensions

14" (35.6 cm)

31" (78.7 cm)

14 3/4" (37.5 cm)

SMART

8 1/2" 21.6 cm

1 3/4" (4.4 cm)

9 3/4" (24.8 cm)

4" (10.2 cm)

1 3/4" (4.3 cm)

3/4" (1.9 cm)

SMART

8 1/4" (21.1 cm)

5 3/4" (14.6 cm)

Weight

28 lb. (12.7 kg)

Shipping dimensions

Projector box

20 1/4" W × 19 1/2 " H × 22 3/4" D

(51.6 cm × 49.4 cm × 57.9 cm)

Boom kit box

10" W × 8 1/2 " H × 17" D

(25.4 cm × 21.6 cm × 43.2 cm)

Shipping weight

Projector box

32 lb. (14.5 kg)

Boom kit box

12 lb. (5.5 kg)

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

System requirements

System requirements	Windows® operating systems or Mac OS operating system software as detailed in the *SMART Notebook® 11.3 software for Windows and Mac computers release notes* (smarttech.com/kb/170565).
USB connection	USB 1.1 full-speed for HID multitouch and SMART Support.

Projector features

Dual touch interaction	Enables two people to draw and manipulate content on the surface at the same time. The interactive surface can be touched simultaneously by two fingers, by two pens or by one finger and one pen.
USB connection	USB 1.1 full-speed for HID multitouch and SMART Support.

Standard features

Software	Interact with applications, perform mouse functions and write and erase digital ink using a finger or the interactive pen.

- For basic mouse operations with a finger or an interactive pen, you don't need to install SMART Product Drivers on computers with Windows operating systems.

> **NOTE**
>
> ○ If your Windows operating system is Windows 7 or later, it supports dual touch and has pen and finger differentiation.

- Advanced features, including the calligraphic pen, are available if you install SMART software from the included DVD. Software upgrades are available from smarttech.com/downloads.

Aspect ratio	16:10 native aspect ratio with support for 4:3 and 16:9 ratios with scaling
Contrast ratio	3400:1

Projected image size range and ceiling clearance

> **NOTE**
>
> The interactive areas listed are for projecting onto a blank, vertical wall. When projected onto an existing whiteboard, the maximum diagonal area size reduces by 1 1/2" (3.8 cm) for each 1/2" (1.3 cm) of whiteboard thickness. For more information about interactive area sizes and ceiling clearances, see the *LightRaise® interactive projector mounting template* (smarttech.com/kb/170271).

Minimum interactive area on a blank wall	• 67" (170.2 cm) diagonal • 35 1/2" H × 56 3/4" W (90.2 cm × 144.1 cm) • Minimum 15 1/2" (39.4 cm) clearance required from top of image area to ceiling
Maximum interactive area on a blank wall	• 100" (254.0 cm) diagonal • 84 3/4" H × 53" W (215.3 cm × 134.6 cm) • Minimum 19 1/4" (48.9 cm) clearance required from top of image area to ceiling
Throw ratio	0.36:1

Display resolution	• WXGA 1280 × 800 • HD ready
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.
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)
Video system compatibility	NTSC, NTSC 4.43, PAL, PAL-N, PAL-M, SECAM, 720p and 1080p
Synchronization	Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)
Keystone correction	Corrects for projector tilt ±15°
Brightness	Adjustable to compensate for ambient light. Estimated at 2500 lumens at a CCT of 6500 K by the IEC method.
Lamp life[2]	Up to 3500 hours in Standard 230 W mode. Up to 5000 hours in Economy 190 W mode.
Speakers	The projector includes two built-in 10W speakers.
Frequency range	378 Hz to 15 kHz
Speaker sensitivity	83 dB SPL at 0.5 m
Controls	
Remote control	Provides a method of controlling the projector and adjusting the projector settings.
External control	The RS-232 control connector is configured to accept control codes from your computer or from an optional room control system. Room control is based on an RS-232 standard. For more information, see the *LightRaise projector user's guide* (smarttech.com/kb/170295).
Network control	RJ45 connector for network control. A network cable isn't included.

Projector connections and included cables

Theft protection	The projector system features a padlock ring to prevent theft. A padlock isn't included. The Kensington® security slot can function as a visual and physical theft deterrent.

Connector	Connects to	Cable provided
Power	Mains power source	14' 9" (4.5 m) country-specific power cable
8 pin TDM socket	Touch detection module (TDM)	Light curtain, Pigtail (strain relief)

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

Connector	Connects to	Cable provided
DB15F RGB video input (VGA 1)	Computer (not included)	16' (5 m) VGA cable
DB15F RGB video output (VGA Out)	Optional secondary display (not included)	Not included
Stereo 3.5 mm phono jack audio input for stereo input associated with the VGA input	Computer (not included)	Not included
Touch USB	Computer for touch detection	16' (5m) USB A to mini-B cable
Stereo 3.5 mm phono jack for line output	External speakers (not included)	Not included
Balanced 3.5 mm phono jack for microphone input	Microphone (not included)	Not included
RCA composite video input (and left and right RCA audio input)	Video source (not included)	Not included
HDMI digital input	High-definition video source (not included)	Not included
DB9 RS-232	Room control	Not included
RJ45	Network (for web page management and SNMP access)	Not included
4-pin power mini-DIN 5V/2A output	Optional LightRaiseprojector control (XCP) (Not included)	Not included
7-pin mini-DIN	LightRaiseprojector control (XCP) harness cable (Not included)	Not included
Service USB	Computer for projector firmware upgrading (not included)	Not included

Interactive touch and pen features

Interactive technology A computer vision-based SMART touch detection system tracks dual finger touch using an infrared source, as well as dual interactive and synchronized infrared pen, on any reasonably flat surface.

Pen features
- Active tip switch
- Power switch
- Pen automatically turns off when not in use to prolong battery life
- One tri-colored LED: green (operational), amber (battery charging required), red (fault)
- SoftTouch texture for improved finger grip
- USB mini-B connection for battery charging

Power requirements	Approximately two hours to charge the lithium-ion battery using the included 9' 10" (3 m) USB mini-B cable and USB charger. A complete charge typically provides at least two days of continuous use.
Pen holder	The lockable pen holder protects up to two interactive pens while they charge. It also has a magnetic mounting option and storage space for the remote control.
Pen battery charger	USB charger for direct pen charging.

Installation

Installation instructions	Installation instructions are included in the projector box and are online at smarttech.com/support.

Electrical requirements and interface details

Power cable	Country-specific IEC 60320 C14 power cable
Power requirements	100V–240V AC at 50 Hz–60 Hz
Power consumption	395 W maximum in Standard mode and less than 0.5 W in Standby mode (ErP compliant)

Storage and operating specifications

Storage temperature	-4℉ to 122℉ (-20℃ to 50℃) with up to 80% humidity, non-condensing
Operational temperature	• At normal fan speed 41℉ to 95℉ (5℃ to 35℃) with up to 80% humidity, non-condensing from 0' to 6000' (0 m to 1800 m) • At high fan speed: 41℉ to 95℉ (5℃ to 35℃) with up to 80% humidity, non-condensing from 6000' to 6800' (1800 m to 2100 m)
Projector fan noise	38 dBA at high speed and 33 dBA at standard speed, measured using the JIS method

Compliance and certification

Regulatory certification	UL (U.S./Canada), FCC, CE, CB, TUV-GS, CCC, C-Tick, GOST-R, PSB, PSE, and VCCI
Environmental compliance	
China	EIP
European Union	Reach, RoHS, WEEE, Battery, Packaging and ErP standby
U.S.	Packaging and Conflict Minerals

Purchasing information

Order numbers

SLR60wi	LightRaise 60wi interactive projector with touch detection, interactive pens and pen holder
1018580	Lamp module replacement kit for the LightRaise 60wi interactive projector
1018949	Replacement touch detection module
RPEN-SLR60	Replacement interactive pen for the LightRaise 60wi interactive projector
FRU-NIB-SLR60WI	Replacement nibs (×4) for the interactive pen
1017709	Replacement pen holder for the LightRaise 60wi interactive projector
Optional accessories	For more information on additional accessories for your LightRaise 60wi interactive projector, see smarttech.com/accessories.
SLR-XCP	LightRaise interactive projector extended control panel
Warranty	The projector and interactive pens have a three-year limited equipment warranty. The projector lamp has a 1000-hour / one-year warranty. See warranty documents for details.

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smarttech.com/contactsupport