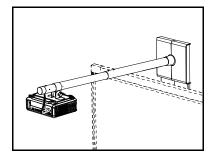
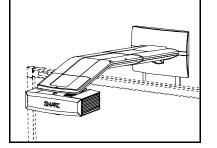
Comparison SMART Board® interactive whiteboard system projectors

SMART V25, SMART UF65, SMART UF65w, SMART UF75, SMART UF75w and SMART UX60 projectors

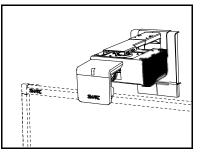
A SMART Board® interactive whiteboard system combines an integrated short-throw projector with a SMART Board interactive whiteboard to create a centralized technology solution. There are similarities and fundamental differences among the various projectors used in these systems. The table on the following pages compares key features of the SMART V25, SMART UF65, SMART UF65w, SMART UF75, SMART UF75w and SMART UX60 projectors.



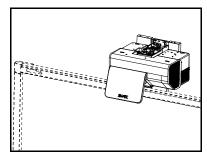
SMART V25 projector for SMART Board 480iv and 680iv interactive whiteboard systems



SMART UF65 or SMART UF65w projectors for SMART Board 600i4 and 800i4 interactive whiteboard systems



SMART UF75 or SMART UF75w projectors for SMART Board 480i5 (international only), 600i5 and 800i5 interactive whiteboard systems



SMART UX60 projector for SMART Board 685ix and 885ix interactive whiteboard systems

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Compatibility with SMART Board interactive whiteboard models	Available for two interactive whiteboard models: • SB480 and SB680	 Available for five interactive whiteboard models: SB660, SB680 and SB880 with the SMART UF65 projector SB685 and SB885 with the SMART UF65w projector 	 Available for seven interactive whiteboard models: SB480, SB660, SB680 and SB880 with the SMART UF75 projector SB685, SB690 and SB885 with the SMART UF75w projector 	Available for two interactive whiteboard models: • SB685 and SB885
Native display resolution	Native XGA 1024 × 768 display resolution	SMART UF65 projector: Native XGA 1024 × 768 display resolution SMART UF65w projector: Native WXGA 1280 × 800 widescreen display resolution	SMART UF75 projector: Native XGA 1024 × 768 display resolution SMART UF75w projector: Native WXGA 1280 × 800 widescreen display resolution (SB685 and SB885). For SMART Board 690 interactive whiteboards, set the projector to operate in its optional 16:9 aspect ratio mode, which crops the display resolution to WXGA 1280 × 720.	Native WXGA 1280 × 800 widescreen display resolution

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Display technology	BrilliantColor™ performance	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.		
Aspect ratio	Native 4:3 aspect ratio with support for 16:9, 16:10 and 5:4 aspect ratios with source image scaling	SMART UF65 projector: Native 4:3 aspect ratio with support for 16:9, 16:10 and 5:4 aspect ratios with source image scaling SMART UF65w projector: Native 16:10 aspect ratio with support for 4:3, 16:9	SMART UF75 projector: Native 4:3 aspect ratio with support for 16:9, 16:10 and 5:4 aspect ratios with source image scaling SMART UF75w projector: Native 16:10 aspect ratio with support for 4:3, 16:9	Native 16:10 aspect ratio with support for 4:3, 16:9 and 5:4 aspect ratios with source image scaling
		and 5:4 aspect ratios with source image scaling	and 5:4 aspect ratios with source image scaling (SB685 and SB885). For SMART Board 690 interactive whiteboards, set the projector to operate in its optional native 16:9 aspect ratio mode.	

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Throw distance	The SMART V25 projector is a short-throw projector with a throw distance of 37 1/2" (95.3 cm).	The SMART UF65 and SMART UF65w projectors are short-throw projectors with the following throw distances: SMART UF65 projector: • SB660 30 3/8" (77.3 cm) • SB680 and SB880 37 5/8" (95.4 cm) SMART UF65w projector: • SB685 and SB885 38 1/2" (97.7 cm)	The SMART UF75 and SMART UF75w projectors are ultra-short-throw projectors with the following throw distances: SMART UF75 projector: • SB480, SB680 and SB880 23 1/4" (59.1 cm) • SB660 19" (48.3 cm) SMART UF75w projector: • SB685 and SB885 22 1/4" (56.7 cm) • SB690 25" (63.5 cm)	The SMART UX60 projector is an ultra-short-throw projector with a throw distance of 10 3/8" (26.5 cm).

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Throw ratio	0.6:1	 SMART UF65 projector: SB660 0.59:1 SB680 and SB880 0.61:1 SMART UF65w projector: SB685 and SB885 0.52:1 	 SMART UF75 projector: SB480, SB680 and SB880: 0.38:1 SB660 0.37:1 SMART UF75w projector: SB685, SB690 and SB885 0.3:1 	0.14:1

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Projector system installation and image adjustment	The SMART V25 projector's swivel mount and multi-position boom configure to work with your interactive whiteboard. The boom and projector mount include five degrees of movement for aligning the projector image. The projector has a focus ring and an on-screen menu for adjusting brightness, contrast and other image attributes.	The SMART UF65 and SMART UF65w projectors have a swivel mount and a simple, multi-position boom that you can configure to work with your interactive whiteboard. The boom includes five degrees of movement for aligning the projector image. The projector has a focus lever and an on-screen menu for adjusting brightness, contrast and other image attributes.	The SMART UF75 and SMART UF75w projectors have a swivel mount and a short boom design that enable you to align the projector image with precision and control. The multi-position boom configures to work with your interactive whiteboard and includes six degrees of movement for aligning the projector image. The projector has a focus lever and an on-screen menu for adjusting brightness, contrast and other image attributes.	The ultra-short-throw SMART UX60 projector uses an attached adjustment module instead of a boom, offering more control and precision than a boom-mounted design. The adjustment module includes five mechanical adjustments for aligning the projector image. The projector has a focus dial and an on-screen menu for adjusting brightness, contrast and other image attributes.
Brightness	2000 lumens (typical)	2000 lumens (typical)	2500 lumens (typical)	2000 lumens (typical)
Contrast ratio	1600:1	2000:1	2900:1	2000:1
 Lamp life NOTE All projectors have a low-power mode that reduces the lamp brightness, which helps to prolong the lamp's life. 	 4500 hours in Standard (190 W) mode 6000 hours in Economy (160 W) mode 	 3000 hours in Standard (200 W) mode 5000 hours in Economy (160 W) mode 	 2500 hours in Standard (230 W) mode 4000 hours in Economy (190 W) mode 	 2500 hours in Standard (230 W) mode 4000 hours in Economy (190 W) mode

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector		
Network management	system. Connect the projecto	Available for all projectors. Remotely control, manage and diagnose the projector from your computer or room control system. Connect the projector to an IP network to send e-mail alerts and to receive and send commands through a web page or Simple Network Management Protocol (SNMP) application.				
Video format compatibility	Native 4:3 aspect ratio XGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, SXGA, SXGA+ and UXGA formats.	SMART UF65 projector: Native 4:3 aspect ratio XGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, SXGA, SXGA+ and UXGA formats. SMART UF65w projector: Native 16:10 aspect ratio WXGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, XGA, SXGA, SXGA+ and UXGA formats.	SMART UF75 projector: Native 4:3 aspect ratio XGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, SXGA, SXGA+ and UXGA formats. SMART UF75w projector: Native 16:10 (SB685 and SB885) or optional 16:9 (SB690) aspect ratio WXGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, XGA, SXGA, SXGA+ and UXGA formats.	Native 16:10 aspect ratio WXGA display resolution. With scaling, supports VGA, SVGA, Quad VGA, XGA, SXGA, SXGA+ and UXGA formats.		
Video system compatibility	Composite, S-video and VGA (VESA® RGB, with additional interface support for Component YPbPr and Component YCbCR inputs with the proper adapters, not		HD Ready (HDMI™ technolo support for 1080i high-definiti NTSC, NTSC 4:43, PAL, PAL 576i/p) and SECAM			
Video interface compatibility			HDCP compliant HDMI, Com (VESA RGB, with additional i Component YPbPr and Comp proper adapters, not included	nterface support for ponent YCbCR inputs with the		

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Extended control panel (ECP)	Not available		the basic operations of your ir peripheral sources or outputs	•
		The ECP includes input/output connections, a source selection button, a volume adjustment knob, a power button and an integrated USB switching hub that enable switch seamlessly between two connected computers.		
		SMART Board 600 s	interactive whiteboard system eries interactive whiteboards u 300 series interactive whiteboa	se a different model of ECP
VGA input connection panel	Not available	Optional for the SMART UF6 the SMART UF75 and SMAR		UX60 projectors. Standard for
A VGA input connection panel mounted on the whiteboard includes HD-DB15 (VGA) connect connectors.		•		
Computer connection	Directly to the projector	Via the ECP, directly to the pr connection panel mounted or Board interactive whiteboard	•	Via the ECP or directly to the projector

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Projector input/output connectors				
 Power socket for power supply 	\checkmark	\checkmark	\checkmark	\checkmark
 3-pin powered mini-DIN 5V/1A output connector 				✓
 4-pin powered mini-DIN 5V/2A output connector for the ECP harness cable 		✓	✓	✓
 7-pin mini-DIN connector for the ECP harness cable 		\checkmark	\checkmark	✓
 DB9F (RS-232) input connector for control codes from an external source, i.e., room control (not included) 	*	 NOTE For SMART Board 800 series interactive whiteboards, this connection is through the ECP harness cable. 	 NOTE For SMART Board 800 series interactive whiteboards, this connection is through the ECP harness cable, when used. 	 NOTE For SMART Board 800 series interactive whiteboards, this connection is through the ECP harness cable.
 HD DB15F RGB video input connector(s) and the associated 3.5 mm stereo audio input jack(s) for your computer(s) (not included) 	✓ VGA and one associated audio input jack	✓ VGA 1 and VGA 2 and two associated audio input jacks for your primary and secondary computers	✓ VGA 1 and VGA 2 and two associated audio input jacks for your primary and secondary computers	✓ VGA 1 and VGA 2 and two associated audio input jacks for your primary and secondary computers

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Projector input/output connectors (continued)				
 HD DB15F RGB video output connector (VGA Out) for a secondary display (not included) and the associated 3.5 mm stereo audio output jack for an external audio system (not included) 	Single audio output jack only	✓	✓	✓
 RCA composite video input jack and the associated left and right RCA stereo audio input jacks 	•	 NOTE For SMART Board 600 series interactive whiteboards, this connection is through the ECP harness cable. 	 NOTE For SMART Board 600 series interactive whiteboards, this connection is through the ECP harness cable. 	 NOTE For SMART Board 600 series interactive whiteboards, this connection is through the ECP harness cable.
 4-pin mini-DIN S-video input connector and the associated left and right RCA stereo audio input jacks 	✓	✓	✓	✓
HDMI input connector			\checkmark	\checkmark
 RJ45 network jack for web page management and SNMP control 	✓	✓	\checkmark	✓

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
ECP input/output connectors	SMART Board 480iv and 680iv interactive whiteboard systems don't have ECPs.	 SB660, SB680, SB685 and S Two USB B receptacles for associated with projector in DB15M connector for powe USB A receptacle for your Two USB A receptables for RCA composite video inpurinput jacks for an optional p SB880 and SB885: RJ11 6-wire jack connects USB B plug connects to the Two mini-USB receptacles 11-pin connector for a room USB A receptacle for a US 	B690: r your primary and secondary c nputs VGA 1 and VGA 2, respe er and analog video output thro SMART Board interactive white r USB drives or peripheral devic t jack and the associated left ar peripheral device such as DVD to the pen tray e pen tray	omputers (not included), ctively ugh the ECP harness cable eboard ces nd right RCA stereo audio or Blu-ray™ disc player
		SMART Board 480i5 inte	ractive whiteboard systems dor	n't have ECPs.

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Projector power requirements / power consumption	 100V AC to 240V AC, at 50 Hz to 60 Hz 240 W in High Brightness mode, 200 W in Economy mode and less than 1 W in Standby mode (without a network connection) 	 100V AC to 240V AC, at 50 Hz to 60 Hz 270 W in High Brightness mode, 225 W in Economy mode and less than 5 W in Standby mode 	 100V AC to 240V AC, at 50 Hz to 60 Hz 290 W average in Standard mode and less than 1 W in Standby mode, in accordance with EuP regulations 	 100V AC to 240V AC, at 50 Hz to 60 Hz 260 W to 310 W in Standard mode and less than 1 W in Standby mode, in accordance with EuP regulations
Theft protection	 The projector system features an optional padlock ring to help prevent theft. A Kensington® security slot is provided to secure the system to a wall as a visual and physical theft deterrent. 	 The projector system features an optional padlock ring to help prevent theft. A Kensington security slot is provided to secure the system to a wall as a visual and physical theft deterrent. The projector won't function without either the ECP or the remote control. 	 The projector system features an optional padlock ring to help prevent theft. A Kensington security slot is provided to secure the system to a wall as a visual and physical theft deterrent. The projector won't function without either the ECP or the remote control. 	 The projector system features two optional padlock rings to secure the system to the mounting bracket and help prevent theft. A Kensington security slot is provided to secure the system to a wall as a visual and physical theft deterrent. The projector won't function without either the ECP or the remote control.
Warranty	The SMART V25 projector and projector lamp have a two-year limited equipment warranty.		ve a three-year limited equipme 000 hour / one-year warranty.	ent warranty.

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Certifications and compliance	Environmental compliance:	Environmental compliance:	Environmental compliance:	Environmental compliance:
	Batteries, China EIP, EU RoHS, EU WEEE and Packaging Regulatory certification: CB (TUV), CCC, CE, C-Tick, FCC, GOST-R, IC (Industry Canada), KC, NOM, PSB, PSE, TUV-GS, UL (U.S./Canada) and VCCI	Batteries, China EIP, EU RoHS, EU WEEE and Packaging Regulatory certification: CB (TUV), CCC, CE, C-Tick, FCC, GOST-R, IC (Industry Canada), KC, NOM, PSB, PSE, TUV-GS, UL (U.S./Canada) and VCCI	Batteries, China EIP, EU RoHS, EU WEEE and Packaging Regulatory certification: CB (TUV), CCC, CE, C-Tick, FCC, GOST-R, IC (Industry Canada), KC, NOM, PSB, PSE, TUV-GS, UL (U.S./Canada) and VCCI	China EIP, EU RoHS and EU WEEE Regulatory certification: CB (TUV), CCC, CE, C-Tick, FCC, GOST-R, IC (Industry Canada), KC, NOM, PSB, PSE, UL (U.S./Canada) and VCCI
Operating environment NOTE Refer to the projector's user's guide on the <u>SMART Support</u> website for the correct fan operating mode for your altitude.	 Temperature: 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) 	Temperature: • 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) Altitude: 0' to 9800' (0 m to 3000 m)	Temperature: 41°F to 95°F (5°C to 35°C) from 0' to 9800' (0 m to 3000 m) Altitude: 0' to 9800' (0 m to 3000 m)	Temperature: • 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) Altitude: 0' to 6800' (0 m to 2100 m)
Storage temperature	-4°F to 158°F (-20°C to 70°C)	-40°F to 122°F (-40°C to 50°C)	-4°F to 122°F (-20°C to 50°C)	-4°F to 104°F (-20°C to 40°C)

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
 Projector assembly dimensions NOTES These dimensions are for the projector assembly alone. Your complete SMART Board interactive whiteboard system assembly is larger and its size varies with the interactive whiteboard model. Width (W) Height (H) All projectors have the same installation hole pattern. 	18 1/2" W × 15 1/2" H × 51 1/4" D (47 cm × 39.4 cm × 130.2 cm)	18 1/2" W × 15 1/2" H × 50 1/4" D (47 cm × 39.4 cm × 127.6 cm)	SB660: 14" W × 15 1/2" H × 23 3/4" D (35.6 cm × 39.4 cm × 60.3 cm) SB480, SB680 and SB880: 14" W × 15 1/2" H × 28" D (35.6 cm × 39.4 cm × 71.1 cm) SB685 and SB885: 14" W × 15 1/2" H × 27" D (35.6 cm × 39.4 cm × 68.6 cm) SB690: 14" W × 15 1/2" H × 29 3/4" D (35.6 cm × 39.4 cm × 75.6 cm)	17 3/8" W × 10 1/2" H × 16 1/2" D (44.1 cm × 26.7 cm × 41.9 cm)

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Projector assembly weight	14 lb. 8 oz. (6.7 kg)	13 lb. 8 oz. (6.1 kg)	17 lb (7.7 kg)	22 lb. (10 kg)
NOTE This weight is for the projector assembly alone. Your complete SMART Board interactive whiteboard system assembly weighs more and the weight varies with the interactive whiteboard model.				

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Shipping dimensions	Projector mounting kit box:	Projector boom box:	Projector box:	Projector box:
	28 1/2" W × 18" H × 6 5/8" D (72.5 cm × 45.5 cm × 17 cm)	39 3/4" W × 9 1/2" H × 16" D (101 cm × 24.1 cm × 40.6 cm)	20" W × 15 1/2" H × 24" D (50.8 cm × 39.4 cm × 61 cm)	18 3/4" W × 18 1/8" H × 22 5/8" D (47.6 cm × 46 cm × 57.5 cm)
	Projector box: 17 3/4" W × 12 7/8" H × 6 3/8" D (45 cm × 32.6 cm × 16.1 cm)	Projector box: 18 1/2" W × 15 1/8" H × 8 1/4" D (47 cm × 38.5 cm × 21 cm) ECP box (when separate from projector boxes): • SB660, SB680 and SB685 9 3/8" W × 5" H × 10 3/8" D (23.8 cm × 12.8 cm × 26.4 cm)	 ECP box (when separate from projector box): SB660, SB680, SB685 and SB690 9 3/8" W × 5" H × 10 3/8" D (23.8 cm × 12.8 cm × 26.4 cm) SB880 and SB885 16 1/2" W × 14" H × 3" D (41.9 cm × 35.6 cm × 7.6 cm) 	 ECP box (when separate from projector box): SB685 93/8" W × 5" H × 103/8" D (23.8 cm × 12.8 cm × 26.4 cm) SB885 16 1/2" W × 14" H × 3" D (41.9 cm × 35.6 cm × 7.6 cm)
		 SB880 and SB885 16 1/2" W × 14" H × 3" D (41.9 cm × 35.6 cm × 7.6 cm) 	NOTE SMART Board 480i5 interactive whiteboard systems don't have ECPs.	

Feature	SMART V25 projector	SMART UF65 and SMART UF65w projectors	SMART UF75 and SMART UF75w projectors	SMART UX60 projector
Shipping weight	20 lb. 8 oz. (9.3 kg)	 Projector boom box: 24 lb. 4 oz. (11 kg) Projector box: 11 lb. (5 kg) ECP box: SB660, SB680 and SB685 2 lb. 14 oz. (1.3 kg) SB880 and SB885 5 lb. 11 oz. (2.6 kg) 	 Projector box: 32 lb. (14.5 kg) ECP box: SB660, SB680, SB685 and SB690 4 lb. 8 oz. (2.1 kg) SB880 and SB885 5 lb. 11 oz. (2.6 kg) NOTE SMART Board 480i5 interactive whiteboard systems don't have ECPs. 	 Projector box: 38 lb. 6 oz. (17.4 kg) ECP box: SB685 4 lb. 8 oz. (2.1 kg) SB885 5 lb. 11 oz. (2.6 kg)

Optional accessories

Accessories	SMART V25 projector	SMART UF65 and UF65w projector	SMART UF75 and UF75w projector	SMART UX60 projector
Recommended audio system	SBA-V SMART 20 W audio system NOTE The SBA-V audio system is not available in North America.	SBA-L projection audio system	SB480: SBA-V SMART 20 W audio system SB660, SB680, SB685, SB690, SB880 and SB885: SBA-L projection audio system	SBA-L projection audio system
Height- adjustable wall mount	 HAWM-UX/UF SMART Height-Adjustable Wall Mount AK-00122-20 SMART V25 projector image stabilizer for the SMART Height-Adjustable Wall Mount 	HAWM-UX/UF SMART Height-Adjustable Wall	Mount	
Floor stand	FS-UX SMART Mobile Height-Adjustable Floor Stand			
Replacement projector lamp	Part No. 20-01500-20	Part No. 20-01032-20	Part No. 20-01501-20	Part No. 20-01175-20

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