Comparison SMART Board[™] Interactive Whiteboard Systems

Models SB600i2, SB600i3 and SB685ix

A SMART Board[™] interactive whiteboard system comprises an interactive whiteboard, a wall-mounted short-throw projector and a centralized control of all classroom technology. SMART Technologies has evolved its interactive whiteboard system from the SB600i to the SB600i2, both with a Unifi[™] projector, to the SB600i3 with the SMART UF55 projector and now the SB685ix with the UX60 projector. The SMART Board 685ix interactive whiteboard system features the best projected wide screen image available, networking capabilities and a unique ultra-short-throw distance through a mechanical adjustment module that protects you and your technology investment against potential damage.

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Compatibility with SMART Board Interactive Whiteboard Models	 Available for two interactive whiteboard models: SB660 and SB680 with the Unifi 45 projector 	 Available for six interactive whiteboard models: SB660, SBD660, SB680 and SBD680 with the SMART UF55 projector SB685 and SBD685 with the SMART UF55w projector 	 Available for two interactive whiteboard models: SB685 and SBD685 with the UX60 projector



Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Software	SMART Notebook software 10 for Windows® operating systems, Mac OS operating system software and Linux® operating systems	SMART Notebook software 10 for Windows operating systems, Mac OS operating system software and Linux operating systems	SMART Notebook software 10 for Windows operating systems, Mac OS operating system software and Linux operating systems
Network Management	Not available	You can connect the SMART UF55/UF55w projectors to an IP network to receive and send commands through its Web server and SNMP client, and to send e-mail alerts. You can remotely control, manage and diagnose the projector.	You can connect the UX60 projector to an IP network to receive and send commands through its Web server and SNMP client, and to send e-mail alerts. You can remotely control, manage and diagnose the projector.
Projector System Installation and Image Adjustment	The mounting boom includes five mechanical adjustments for aligning the projector image.	The simple boom design and swivel projector mount make projector alignment easy. The mounting boom includes three mechanical adjustments for aligning the projector image. You can configure the multi-position boom to work with your interactive whiteboards.	The ultra-short-throw UX60 projector uses attached adjustment modules instead of a boom, and includes five mechanical adjustments for aligning and adjusting the projector image, with more control than the Unifi 45 and with more precision than the SMART UF55.
Aspect Ratio	 SB660 and SB680: 4:3 native, with support for 16:9, 16:10 and 4:5 	 SB660, SBD660, SB680 and SBD680: 4:3 native, with support for 16:9, 16:10 and 4:5 SB685 and SBD685: 16:10 native, with support for 16:9, 4:3 and 4:5 	 SB685 and SBD685: 16:10 native, with support for 16:9, 5:4 and 4:3 The SB685ix is an ultra-short-throw 16:10 widescreen interactive whiteboard system, providing an additional 20% of workspace compared to the SB680i2.
Brightness	2000 lumens (typical)	2000 lumens (typical)	2000 lumens (typical)

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Lamp Life	 2000 hours in Standard (504 W) mode 3000 hours in Economy (470 W) mode 	 3000 hours in Standard (200 W) mode 4000 hours in Economy (160 W) mode 	 2500 hours in Standard (230 W)mode 4000 hours in Economy (190 W) mode) Compared to the SB600i2, the SB685ix provides an extra year of lamp life in most classroom applications.
Contrast Ratio	2000:1	2000:1	2000:1
Display Type	 Unifi 45 projector: True XGA 1024 × 768 projector resolution 	 SMART UF55 projector: Native XGA 1024 × 768 projector resolution SMART UF55w projector: Native WXGA 1280 × 800 wide screen projector resolution 	 UX60 projector: Native WXGA 1280 × 800 projector resolution
Video Format Compatibility	 Unifi 45 projector: Native XGA projector resolution. With scaling, supports VGA, SVGA, SXGA, QuadVGA, SXGA+ and UXGA formats are supported. PAL, PAL-N, PAL-M, NTSC and SECAM 	 SMART UF55 projector: Native XGA projector resolution. With scaling, supports VGA, SVGA, SXGA, QuadVGA, SXGA+, UXGA, PAL, PAL-N, PAL-M, NTSC and SECAM formats. SMART UF55w projector: Native WXGA projector resolution. With scaling, VGA, SVGA, SXGA, QuadVGA, SXGA+, UXGA, PAL-N, PAL-M, NTSC and SECAM formats. 	 UX60 projector: Native WXGA projector resolution. With scaling, supports VGA, SVGA, XGA, QuadVGA, SXGA, SXGA+, UXGA, PAL, PAL-N, PAL-M, NTSC and SECAM formats.

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Video Interface Compatibility	Composite, S-video, Component (YPbPr/ YCbCr via VGA adapter, not included), VGA	Composite, S-video, Component (YPbPr/ YCbCr via VGA adapter, not included), VGA	Composite, S-video, Component (YPbPr/ YCbCr via VGA adapter, not included), VGA, HDMI™
			You can connect high-definition peripherals to the HDMI port, or to the VGA port with a VGA cable (or YPbPr/YCbCr to VGA adapter, not included).
Display Technology	The projection engine uses DLP® technology by Texas Instruments, providing BrilliantColor™ performance and Gamma 2.2 correction with High Brightness, Standard and True Color modes.	The projection engine uses DLP technology by Texas Instruments, providing BrilliantColor performance and Gamma 2.2 correction with SMART Presentation, Bright Classroom, Dark Classroom, sRGB and User modes.	The projection engine uses DLP technology by Texas Instruments, providing BrilliantColor performance and Gamma 2.2 correction with SMART Presentation, Bright Classroom, Dark Classroom, sRGB and User modes.
Active Screen Area	 SB660i2: 51 1/4" W × 38 1/4" H (130.2 cm × 97.2 cm) 64" (162.6 cm) diagonal SB680i2: 61 5/8" W × 46 1/8" H (156.5 cm × 117.2 cm) 77" (195.6 cm) diagonal 	 SB660i3 and SBD660i3: 51 1/4" W × 38 1/4" H (130.2 cm × 97.2 cm) 64" (162.6 cm) diagonal SB680i3 and SBD680i3: 61 5/8" W × 46 1/8" H (156.5 cm × 117.2 cm) 77" (195.6 cm) diagonal SB685i3 and SBD685i3: 74" W × 46 1/8" H (188 cm × 117.2 cm) 87 1/8" (221.3 cm) diagonal 	SB685ix and SBD685ix: • 74" W × 46 1/8" H (188 cm × 117.2 cm) • 87 1/8" (221.3 cm) diagonal

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Extended Control Panel (ECP)	Input/output connections, input selection buttons, power button	Input/output connections, input selection buttons, power button	Input connections, input selection button, volume knob, power button, integrated USB hub, and dual-computer switching support
Computer Connection	Via the ECP, or directly to the projector	Via the ECP, or directly to the projector	Directly to the projector, or via the new wire management bundle
Wire Management Bundle (WMB)	Not available	Not available	 The UX60 projector features the new WMB (wire management bundle) option, which includes: USB-B receptacle HD DB15 monitor output and associated audio output (3.5 mm jack) This connection method makes integrating guest computers to your interactive whiteboard system simpler and quicker.
Projector Power Requirements/Power Consumption	100V–240V AC, 50 or 60 Hz 470–504 W normal use, 5 W in idle mode	 100V–240V AC, 50 or 60 Hz SB660i3, SBD660i3, SB680i3 and SBD680i3: 470–504 W normal use, 5 W in idle mode SB685i3 and SBD685i3: 385–504 W normal use, 5 W in idle mode 	100V–240V AC, at 50 Hz to 60 Hz 260–310 W in normal use, 2 W in standby mode

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Projector Input/ Output Connectors	 3.5 mm stereo output jack Two HD DB15 computer inputs with a shared 3.5 mm stereo audio input HD DB15 monitor output DB9 connector for RS-232 control RCA composite video input and associated dual channel audio input (two RCA jacks) 4-pin mini-DIN S-video input and associated dual channel audio input (two RCA jacks) 	 3.5 mm stereo output RJ45 ethernet/LAN connection Two HD DB15 computer inputs and associated audio input (3.5 mm jack) HD DB15 monitor output DB9 connector for RS-232 control RCA composite video input and associated dual channel audio input (two RCA jacks) 4-pin mini-DIN S-video input and associated dual channel audio input (two RCA jacks) 	 3-pin mini-DIN 5V/1A output connector 4-pin power mini-DIN 5V/2A output connector (reserved for ECP harness cable) 7-pin mini-DIN connector (reserved for ECP harness cable) S-video input and associated dual channel audio input (two RCA jacks) RJ45 ethernet/LAN connection USB B receptacle (reserved for service access) HD DB15 monitor output and associated audio output (3.5 mm jack) Two HD DB15 computer inputs and associated audio input (3.5 mm jack) DB9 connector for RS-232 control RCA composite video input and associated dual channel audio input (two RCA jacks) HDMI input port

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
ECP Input/Output Connectors	 3.5 mm stereo input jack 4-pin mini-DIN connector for S-video input RCA jack for composite video input RCA stereo input jacks for composite video's audio connection RCA stereo input jacks for S-video connection audio Dedicated DB25 socket for multiple signal output to the projector Dedicated HD DB15 socket for ECP video output DB9F serial (RS-232) external control 	 3.5 mm stereo input jack 4-pin mini-DIN connector for S-video input RCA jack for composite video input RCA stereo input jacks for composite video's audio connection RCA stereo input jacks for S-video connection audio Dedicated DB25 socket for multiple signal output to the projector Dedicated HD DB15 socket for ECP video output DB9F serial (RS-232) external control 	 RCA jack for composite video input RCA stereo input jacks for composite video's audio connection USB B and USB A receptacles Dedicated DB15 socket for power and ECP video output I²C connector Modular cable connection The UX60's ECP connector integrates a USB hub with USB B and USB A ports and routes the WMB bundle inputs. The ECP supports instant dual-computer source switching between a host and guest
Theft Protection	 system connection The 600i2 series features a pen tray locking feature and a Kensington® security slot on the pen tray. The Unifi 45 projector features security screws on the projector plate and an optional padlocked ring for the adjustment knob. The projector doesn't function when it's removed from the projector boom and ECP. 	 system connection The 600i3 series features a pen tray locking feature and a Kensington security slot on the pen tray. Because of the integrated boom and projector design, the system is a less attractive target for theft. The projector doesn't function if it's separated from the ECP or without a remote control. A Kensington security slot and a padlock locking loop secure the projector system to the wall as additional visual and physical theft deterrents. 	 computer. The 685ix features a pen tray locking feature and a Kensington security slot on the pen tray. Two padlock locations secure the system to the mounting bracket. The projector functions if it's separated from the ECP or without the remote control, but only if the other control is available. A Kensington security slot secures the system to a wall as a visual and physical theft deterrent.

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Certifications and Compliance	CSA (U.S./Canada), CB, CE, FCC, WEEE, China EIP, RoHS (Europe), VCCI (Japan), C-Tick (Australia)	CSA (U.S./Canada), CB, CE, FCC, WEEE, China EIP, RoHS (Europe), VCCI (Japan), C-Tick (Australia)	UL (U.S./Canada), CB, CE, FCC, WEEE, China EIP, RoHS (Europe), VCCI (Japan), C-Tick (Australia)
Warranty	 The projector and ECP have a three-year limited equipment warranty. The projector lamp has a 500 hour/90 day warranty. The interactive whiteboard has a five-year limited equipment warranty upon registration. 	 The projector and ECP have a three-year limited equipment warranty. The projector lamp has a 500 hour/90 day warranty. The interactive whiteboard has a five-year limited equipment warranty upon registration. 	 The projector and ECP have a three-year limited equipment warranty. The projector lamp has a 500 hour/90 day warranty. The interactive whiteboard has a five-year limited equipment warranty upon registration.
Operating Environment	 0' to 6000' (0 m to 1829 m) 41°F to 95°F (5°C to 35°C) at 30–70% humidity, non-condensing 6000' to 9800' (1829 m to 3000 m) 41°F to 86°F (5°C to 30°C) at 30–70% humidity, non-condensing 	 0' to 6000' (0 m to 1829 m) 41°F to 95°F (5°C to 35°C) in standard fan speed mode at 30–70% humidity, non-condensing 6000' to 6800' (1829 m to 2000 m) 41°F to 86°F (5°C to 30°C) in high fan speed mode at 30–70% humidity, non-condensing 	 0' to 6000' (0 m to 1829 m) 41°F to 95°F (5°C to 35°C) in standard fan speed mode 6000' to 6800' (1829 m to 2000 m) 41°F to 86°F (5°C to 30°C) in high fan speed mode
Storage Temperature	-40°F to 122°F (-40°C to 50°C)	-40°F to 122°F (-40°C to 50°C)	-4°F to 104°F (-20°C to 40°C)
Projector Assembly Dimensions	 For SB660: 18 1/2" W × 15 1/2" H × 39 1/2" D (47 cm × 39.4 cm × 100.3 cm) For SB685: 18 1/2" W × 15 1/2" H × 47 1/4" D (47 cm × 39.4 cm × 120 cm) 	 For SB660 and SBD660: 14 1/2" W × 16" H × 44" D (36.8 cm × 40.6 cm × 111.8 cm) For SB680, SBD680, SB685, and SBD685: 14 1/2" W × 16" H × 50 1/4" D (36.8 cm × 40.6 cm × 127.6 cm) 	For SB685 and SBD685: 17 3/8" W × 10 1/2" H × 16 1/2" D (44.2 cm × 26.7 cm × 41.9 cm)

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Interactive Whiteboard Dimensions	 SB660: 54 3/4" W × 41 5/8" H × 5 1/8" D (139.1 cm × 105.7 cm × 13.1 cm) SB680: 65 1/4" W × 49 1/2" H × 5 1/8" D (165.7 cm × 125.7 cm × 13.1 cm) 	 SB660 and SBD660: 54 3/4" W × 41 5/8" H × 5 1/8" D (139.1 cm × 105.7 cm × 13.1 cm) SB680 and SBD680: 65 1/4" W × 49 1/2" H × 5 1/8" D (165.7 cm × 125.7 cm × 13.1 cm) SB685 and SBD685: 77 1/2" W × 49 1/2" H × 5 1/8" D (196.9 cm × 125.7 cm × 13.1 cm) 	 SB685 and SBD685: 77 1/2" W × 49 1/2" H × 5 1/8" D (196.9 cm × 125.7 cm × 13.1 cm)
Projector Assembly Weight	32 lb. (14.5 kg)	33 lb. 14 oz. (15.4 kg)	22 lb. (10 kg)
Interactive Whiteboard Weight	SB660: • 21 lb. 14 oz. (9.9 kg) SB680: • 30 lb. (13.6 kg)	 SB660 and SBD660: 21 lb. 14 oz. (9.9 kg) SB680 and SBD680: 30 lb. (13.6 kg) SB685 and SBD685: 42 lb. (19.1 kg) 	SB685 and SBD685: • 42 lb. (19.1 kg)
Projector Assembly Shipping Carton Dimensions	Accessory box shipping carton: • 53 1/8" W × 14 3/4" H × 14 1/8" D (134.9 cm × 37.5 cm × 35.9 cm) Unifi 45 projector shipping carton: • 17 1/2" W × 14 1/2" H × 10 3/4" D (44.5 cm × 36.8 cm × 27.3 cm)	 Accessory box shipping carton: 39 3/4" W × 9 1/2" H × 16" D (101 cm × 24.1 cm × 40.6 cm) SMART UF55/UF55w projector shipping carton: 18 1/2" W × 15 1/8" H × 8 1/4" D (47 cm × 38.5 cm × 21 cm) 	 The new UX60 projector ships in a single box. 18 3/4" W × 18 1/2" H × 22 5/8" D (47.5 cm × 47.1 cm × 57.5 cm)

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Interactive Whiteboard Shipping Carton Dimensions	 SB660: 46" W × 64 1/2" H × 5 1/2" D (116.8 cm × 163.8 cm × 14 cm) SB680: 73 1/2" W × 54" H × 5 1/2" D (186.7 cm × 137.2 cm × 14 cm) 	 SB660 and SBD660: 46" W × 64 1/2" H × 5 1/2" D (116.8 cm × 163.8 cm × 14 cm) SB680 and SBD680: 73 1/2" W × 54" H × 5 1/2" D (186.7 cm × 137.2 cm × 14 cm) SB685 and SBD685: 54" W × 86 1/4" H × 5 1/2" D (137.2 cm × 219.1 cm × 14 cm) 	SB685 and SBD685: • 54" W × 86 1/4" H × 5 1/2" D (137.2 cm × 219.1 cm × 14 cm)
Projector Assembly Shipping Pallet Dimensions	Accessory box pallet: • 12 units: 44 1/4" W × 75" D × 54 1/8" H (112.4 cm × 190.5 cm × 137.5 cm) Unifi 45 projector box pallet: • 42 units: 53 1/4" W × 80 3/4" H × 35 1/2" D (135.3 cm × 205 cm × 90.2 cm) • 63 units: 53 1/4" W × 45 3/8" H × 80 3/4" D (135.3 cm × 205 cm × 115.3 cm)	Accessory pallet: • 15 units: 40" W × 53 1/2" H × 48" D (101.6 cm × 135.9 cm × 121.9 cm) SMART UF55/UF55w projector box pallet: • 54 units: 40" W × 79 1/2" H × 48" D (101.6 cm × 201.9 cm × 121.9 cm) • 60 units: 40" W × 87 3/4" H × 48" D (101.6 cm × 222.9 cm × 121.9 cm)	 The new UX60 projector ships in a single box, and in two pallet volumes. 12 units: 40" W × 42 1/8" H × 48" D (101.6 cm × 107 cm × 121.9 cm) 20 units: 40" W × 61" H × 48" D (101.6 cm × 155 cm × 121.9 cm)
Interactive Whiteboard Shipping Pallet Dimensions	SB680: • 8 units: 56" W × 87" D × 45" H (142.2 cm × 221 cm × 114.3 cm)	 SB680 and SBD680: 8 units: 56" W × 87" D × 45" H (142.2 cm × 221 cm × 114.3 cm) SB685 and SBD685: 8 units: 56" W × 91" D × 45" H (142.2 cm × 231.1 cm × 114.3 cm) 	 SB685 and SBD685: 8 units: 56" W × 91" D × 45" H (142.2 cm × 231.1 cm × 114.3 cm)

Feature	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
Projector Assembly	Accessory box pallet:	Accessory box pallet:	Box pallet:
Shipping Pallet	• 12 units: 476 lb. (215.9 kg)	 15 units: 469 lb. (212.7 kg) 	• 8 units: 340 lb. (154 kg)
Weight with 20lb. (8	Unifi 45 projector pallet:	SMART UF55/UF55w projector pallet:	• 12 units: 498 lb. (226 kg)
kg) Pallet (Estimate)	• 42 units: 571 lb. (259 kg)	• 54 units: 605 lb. (274.4 kg)	
	• 63 units: 844 lb. (382.8 kg)	• 60 units: 672 lb. (304.8 kg)	
Interactive	SB680:	SB680 and SBD680:	SB685 and SBD685:
Whiteboard Shipping	• 8 units: 404 lb. (183.3 kg)	• 8 units: 404 lb. (183.3 kg)	• 8 units: 524 lb. (237.7 kg)
Pallet Weight with		SB685 and SBD685:	
20lb. (8 kg) Pallet (Estimate)		• 8 units: 524 lb. (237.7 kg)	
Projector Assembly	Accessory box pallet:	Accessory box pallet:	The new UX60 projector ships in a single
Shipping Pallet	• 12 units: 104 cu. ft. (2.9 m ³)	• 15 units: 59.4 cu. ft. (1.7 m³)	box, and in two pallet volumes.
Volume	Unifi 45 projector pallet:	SMART UF55/UF55w projector pallet:	• 12 units: 46.8 cu. ft. (1.3 m ³)
	• 42 units: 88.2 cu. ft. (2.5 m ³)	• 54 units: 88.4 cu. ft. (2.5 m³)	• 20 units: 67.8 cu. ft. (1.9 m ³)
	• 63 units: 112.9 cu. ft. (3.2 m ³)	• 60 units: 97.5 cu. ft. (2.8 m ³)	
Interactive	SB680:	SB680 and SBD680:	SB680 and SBD680:
Whiteboard Shipping	• 8 units: 126.9 cu. ft. (3.6 m ³)	• 8 units: 126.9 cu. ft. (3.6 m ³)	• 8 units: 126.9 cu. ft. (3.6 m³)
Pallet Volume		SB685 and SBD685:	
		• 8 units: 130.4 cu. ft. (3.7 m ³)	

Accessories	600i2 Series (Unifi 45 projector)	600i3 Series (SMART UF55 and SMART UF55w projector)	685ix Series (UX60 projector)
USB Audio System	 USB connection available from the connected computer. 3.5 mm connection available from the projector audio output. 	 USB connection available from the connected computer. 3.5 mm connection available from the projector audio output. 	 3.5 mm connection available from the projector audio output. New model available soon
Active USB Extension Cable	Use one to four 16'6" (5m) USB Extenders to extend the USB connection up to 66' (20 m).	Use one to four 16'6" (5m) USB Extenders to extend the USB connection up to 66' (20 m).	Use one to three 16'6" (5m) USB Extenders to extend the USB connection up to 49' 6" (15 m).
Floor Stand for the 600i Interactive Whiteboard System	Available (version specific model)	Available (version specific model)	New model available soon
Custom Portability Mount	Available (version specific model)	Available (version specific model)	New model available soon
Height-Adjustable Wall Mount	Available (version specific model)	Available (version specific model)	New model available soon

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