






Bright LCD Screens with HD technology

All-weather exterior protects internal components from rain, dirt, insects and scratches

Airflow system keeps unit cool and dry in temperatures up to 122° F.

Internal thermostatically-controlled heater protects TV in temperatures as low as -24° F.

Innovative watertight cable entry system with pass-through design keeps cables dry and allows for easy hook-ups

			
Model	SB-4610HD	SB-3220HD	SB-2310HD
LCD Screen	46-inch diagonal TFT Active Matrix	31.5-inch diagonal TFT Active Matrix	23-inch diagonal TFT Active Matrix
Resolution	1920 x 1080 Full-HD 1080p	1366 x 768 HD-Compatible	1366 x 768 HD-Compatible
Aspect Ratio	16:9	16:9	16:9
Contrast Ratio	2000:1	1500:1	700:1
Viewing Angle	178° x 178°	178° x 178°	160° by 140°
Response Time	6 milliseconds	8 milliseconds	8 milliseconds
TV formats	1080p, 1080i, 720p, 480p, 480i	1080i, 720p, 480i, 480p	1080i, 720p, 480p, 480i
Input Connectors:			
RF	Antenna/CATV (ATSC/QAM/NTSC) x1	Antenna/CATV (NTSC/ATSC/QAM)	Antenna/CATV (NTSC, ATSC, QAM)
HDMI	HDMI™ Input x2	HDMI Input x2	HDMI Input x1
Video Composite	S-Video x1 and Composite Video x1, L/R Audio Inputs x1	S-Video x1 and Composite Video x1, L/R Audio Inputs x1	S-Video x1 and Composite Video x1 L/R Audio Inputs x2
Video Component	YPbPr plus Stereo Audio x2t	YCbCr/YPbPr x2 and audio L/R channels x2t	YCbCr/YPbPr x1 and audio L/R channels x1
PC	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA
RS232 Serial	Full-featured command set with discrete on/off, input select and volume control	Full-featured command set with discrete on/off, input select and volume control	Full-featured command set with discrete on/off, input select and volume control
Discrete IR Control	Codes for Power On/Off and Input Select	Codes for Power On/Off and Input Select	N/A
Input Power	100-240 VAC, 50-60 Hz 4.0 A Max	100-240 VAC, 50-60 Hz 2.5A Max	100-240 VAC, 50-60 Hz 2.2A Max
Audio	10-watt x 2 channels, water-resistant speakers (detachable); SPDIF Audio output	8-watt x 2 channels, water-resistant speakers (detachable) SPDIF Audio output	5-watt x 2 channels, water-resistant speakers L/R Audio output connector inside rear cover
Operating Temp.	-24° to 122° F. (-31° to 50° C.) *	-24° to 122° F. (-31° to 50° C.) *	-24° to 122° F. (-31° to 50° C.) *
Non-op. Temp. (Off-mode with power applied)	-24° to 140° F. (-31° to 60° C.) The non-operating temperature feature requires power to be applied	-24° to 140° F. (-31° to 60° C.) The non-operating temperature feature requires power to be applied	-24° to 140° F. (-31° to 60° C.) The non-operating temperature feature requires power to be applied
Accessories Included	Water-resistant remote control with lithium battery	Water-resistant remote control with lithium battery Removable table top stand	Water-resistant remote control with lithium battery. Removable table top stand
TV Dimensions	44.72" W x 27.16" H (30.47" H with speakers, 30.58" H with speakers and table top stand) x 6.85" D (11.70" D with optional table top stand)	32.07" W x 23.20" H (23.20" H with speakers, 23.46" H with speakers and table top stand) x 6.29" D (10.80" D with table top stand)	23.51" W x 16.27 H (17.14" with table top stand) x 4.90" D
Weight	82.7 lbs, 86.8 lbs w/speakers, 95.1 lbs w/speakers and table top stand	37.5 lbs., 41.6 lbs w/speakers, 46 lbs w/ speakers and table top stand	22 lbs., 25 lbs. with table top stand
Shipping Weight	139 lbs.	54 lbs.	28 lbs.
Warranty	One-year, in-factory, parts and labor	One-year, in-factory, parts and labor	One-year, in-factory, parts and labor

*Temperature range is for operation in shaded location.