

					
Model	SB-5510HD	SB-4610HD	SB-3220HD	SB-3230HD	SB-2310HD and 2310HD-pro
LCD Screen	55-inch diagonal TFT Active Matrix	46-inch diagonal TFT Active Matrix	31.5-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, 120 Hz Frame Rate	1920 x 1080 Full-HD 1080p	1366 x 768 HD LCD	1366 x 768 HD LCD	1366 x 768 HD LCD
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Contrast Ratio	4000:1	3500:1	3000:1	3000:1	700:1
Viewing Angle	176°	178° x 178°	178° x 178°	178° x 178°	160° x 140°
Response Time	4.5 milliseconds	6.5 milliseconds	6.5 milliseconds	6.5 milliseconds	8 milliseconds
TV formats	1080p, 1080i, 720p, 480p, 480i	1080p, 1080i, 720p, 480p, 480i	1080i, 720p, 480i, 480p	1080i, 720p, 480i, 480p	1080i, 720p, 480p, 480i
Input Connectors:					
RF	Antenna/CATV (ATSC/QAM/NTSC) x1	Antenna/CATV (ATSC/QAM/NTSC) x1	Antenna/CATV (NTSC/ATSC/QAM)	Antenna/CATV (NTSC/ATSC/QAM)	Antenna/CATV (NTSC, ATSC, QAM)
HDMI	HDMI™ Input x4	HDMI™ Input x2	HDMI Input x2	HDMI Input x2	HDMI Input x2
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 x1	S-Video x1 and Composite Video x1, L/R Audio Inputs x1	S-Video x1 and Composite Video x1 L/R Audio Inputs x1
Video Component	YPbPr plus Stereo Audio x2	YPbPr plus Stereo Audio x2	YPbPr plus Stereo Audio x2	YPbPr plus Stereo Audio x2	YPbPr plus Stereo Audio x2
PC	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA plus Stereo Audio	15-pin D-sub VGA plus Stereo Audio
Control Set	RS232 serial, discrete IR control, concealed IR window	RS232 serial, discrete IR control, concealed IR window	RS232 serial, discrete IR control, concealed IR window	NA	RS232 serial, discrete IR control (<i>2310-Pro only</i>)
Audio Out	TosLink, 5.1 audio from DTV input only (TosLink Optical) x 1, analog headphone jack	TosLink, 5.1 audio from DTV input only (TosLink Optical) x 1, analog headphone jack	SPDIF audio, analog headphone jack	SPDIF audio, analog headphone jack	SPDIF audio, analog headphone jack
Speakers	10-watt x 2 channels, water-resistant detachable speaker module	10-watt x 2 channels, water-resistant detachable speaker module	10-watt x 2 channels, water-resistant detachable speaker module	10-watt x 2 channels, water-resistant built-in speakers	5-watt x 2 channels, water-resistant built-in speakers
Exterior	Powder-coated aluminum	Powder-coated aluminum	Powder-coated aluminum	Outdoor-rated ASA plastic resin	Powder-coated aluminum
Input Power	100-240 VAC, 50-60 Hz 4.0 A Max	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 2.5A Max	100-240 VAC, 50-60 Hz 2.2A Max
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.) *	-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	-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
TV Dimensions	52.46" W x 21.43" H (33.13" H with speakers) x 7.80" D	44.72" W x 27.16" H (29.33" H with speakers) x 6.85" D	32.07" W x 23.20" H (22.12" H with speakers) x 6.29" D	32.21 in. W x 23.21 in. H x 6.97 in. D	23.51 in. W x 16.27 in. H x 4.90" D
Weight	90.0 lbs, 95.0 lbs w/speakers	82.7 lbs, 86.8 lbs w/speakers	37.5 lbs., 41.6 lbs w/speakers	39.0 lbs.	22 lbs.
Accessories Included	Water-resistant remote control	Water-resistant remote control	Water-resistant remote control, removeable table-top stand	Water-resistant remote control, removeable table-top stand	Water-resistant remote control, removeable table-top stand

*Temperature range is for operation in shaded location.