

BrightSign®

Model Specifications

MODEL	LS322	LS422	HD222	HD1022	XD232	XD1032	XD1132	4K242	4K1042	4K1142
VIDEO ENGINE DECODER										
Single 1080p30 video decoding		X	X	X	X	X	X	X	X	X
Single 1080p60 video decoding			X	X	X	X	X	X	X	X
Dual 1080@60p decoding					X	X	X	X	X	X
Dual video decode of one 4Kp60 & one 1080p60 video								X	X	X
MEDIA FORMATS										
Video Codecs: MPEG-1, MPEG-2, H.264, WMV		X	X	X	X	X	X	X	X	X
H.265 video codec for 4K content								X	X	X
Video Containers: MPEG-2 transport and program streams, AVCHD/BD-AM, ASF, MP4, MOV		X	X	X	X	X	X	X	X	X
3D capabilities with side-by-side and top-over-bottom support			X	X	X	X	X	X	X	X
Images: BMP, JPEG, PNG		X	X	X	X	X	X	X	X	X
Audio: MP2, MP3, AAC, and WAV (AC3 is passed through)	X	X	X	X	X	X	X	X	X	X
HTML5 content support			Good	Good	Better	Better	Better	Best	Best	Best
DISPLAY RESOLUTIONS*										
PAL/NTSC		X	X	X	X	X	X	X	X	X
Native 4K resolutions: 3840x2160x24/25/30/50/60p								X	X	X
Upscaling to: 3840x2160x24/25/29.97/30p			X	X	X	X	X	X	X	X
1920x1080x24/25/29.92/30, 1360x768x60p, 1280x800x60p, 1280x768x60p, 1280x720x50/59.94/60p, 1024x768x60/75p, 800x600x60/75p, 720x576x50p, 720x480x59.94/60p, 640x480x60p		X	X	X	X	X	X	X	X	X
1920x1080x50/59.94/60p, 1920x1080x50/59.94/60i, 1600x1200x60p, 1440x1050x60/75p, 1440x900x60/75p, 1280x1024x60/75p, 1280x960x60p, 1280x800x75p			X	X	X	X	X	X	X	X
HARDWARE INTERFACES										
Locking Power Connector	X	X	X	X	X	X	X	X	X	X
SD Slot for SDHC and SDXC; Storage via SDXC (up to 2TB)	X	X	X	X	X	X	X	X	X	X
Internal MicroSD Slot					X	X	X	X	X	X
mSATA								X	X	X
USB High Speed Host Port	X	X		X		X (2 ports)	X (2 ports)		X (1 port, USB 3.0)	X (2 USB 3.0; 1 USB 2.0)
GPIO Port (8 bi-directional)	X	X	X	X	X	X	X	X	X	X
RS-232 Serial Port				X		X	X		X	X
3.5mm IR Out					X	X	X	X	X	X
3.5mm Analog Stereo Audio Out	X	X	X	X	X	X	X	X	X	X
S/PDIF Out	X	X				X	X		X	X
VGA Out (Component Video, Composite/S-Video)			X	X	X	X	X			
HDMI Out		X	X	X	X	X	X	X	X (HDMI 2.0)	X (HDMI 2.0)
HDMI Input							X (HDMI 1.4a)			X (HDMI 2.0)
Ethernet	X (10/100)	X (10/100)	X (10/100)	X (10/100)	X (10/100)	X (10/100) PoE+	X (10/100)	X (Gigabit)	X (Gigabit) PoE+	X (Gigabit)
Status LEDs	Power/Stats		Power, Error, Busy, Update		Power, Error, Update, Network, Wi-Fi, Ethernet, Micro SD, SD					
Reset Button	X	X	X	X	X	X	X	X	X	X
FEATURES										
Native 4K Playback of H.265 3820x2160x60p via HDMI 2.0								X	X	X
Dual Video Decoding					X	X	X	X	X	X
4K Upscaling: upscale 1080p content to sharp 4K resolution			X	X	X	X	X	X	X	X
Powerful Video Engine: dual decoding and superior scaling			X	X	X	X	X	X	X	X
Live TV: brings Live TV to your signage via HDMI In, even HDCP-protected content							X			X
HTML5: hardware-accelerated engine that plays modular HTML assets flawlessly			X	X	X (faster)	X (faster)	X (faster)	X (faster)	X (faster)	X (faster)

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Touch: for interactive touch screen and kiosk presentations		X		X		X	X		X	X
Zones: playback multiple content types on a single screen		X	X	X	X	X	X	X	X	X
BrightWall™: synchronized playback across multiple displays		X	X	X	X	X	X	X	X	X
Interactivity: trigger playback from various interactive ports	X (GPIO, USB)	X (GPIO, USB)	X (GPIO)	X (GPIO, USB, serial)	X (GPIO)	X (GPIO, USB, Serial)	X (GPIO, USB, Serial)	X (GPIO)	X (GPIO, USB, Serial)	X (GPIO, USB, Serial)
UDP Control: interact with signage using networking	X	X	X	X	X	X	X	X	X	X
Live Feeds: Live Text, Audio MRSS, Twitter, Flickr, etc.	X	X	X	X	X	X	X	X	X	X
BrightSign App: update signs with an iOS device	X	X	X	X	X	X	X	X	X	X
Geo-Fencing: trigger playback based on location	X	X		X		X	X		X	X
IP Streaming: play streaming media	X	X	X	X	X	X	X	X	X	X
IP Streaming Server: serve IP streams from BrightSign's local storage					X	X	X	X	X	X
Sign Preview: preview presentation playback in BrightAuthor		X	X	X	X	X	X	X	X	X
Networking: update, manage and schedule your signage	X	X	X	X	X	X	X	X	X	X
Remote Snapshot: remotely view a snapshot image of the display's playback			X	X	X	X	X	X	X	X
Power over Ethernet+ (PoE+): type 2 port powers other devices up to 25 watts					X	X	X	X	X	X
Usage tracking statistics and real time clock	X	X	X	X	X	X	X	X	X	X
Content Update via USB	X	X		X		X	X		X	X
SOFTWARE										
Free BrightAuthor Software	X	X	X	X	X	X	X	X	X	X
BrightSign Networking Options	X	X	X	X	X	X	X	X	X	X
ACCESSORIES										
USB Button Pads	X	X		X		X	X		X	X
Wireless Module					X	X	X	X	X	X
SDHC Class 4 Cards (various capacities)	X	X								
SDHC and MicroSD Class 10 Cards (various capacities)			X	X	X	X	X	X	X	X
MISCELLANEOUS										
Dimensions	153 x 27 x 105mm or 6.02 x 1.06 x 4.13 in. (W x H x D)		164 x 32 x 125mm or 4.9 x 1.3 x 5.4 in. (W x H x D)		196 x 43 x 169mm or 7.72 x 1.7 x 6.6 in. (W x H x D)			196 x 68 x 170mm or 7.8 x 2.6 x 6.8 in. (W x H x D)		
Weight	181.4 grams or 6.4 oz		471 grams or 16.6 oz		669 grams or 23.6 oz			1048.93 grams or 37 oz		
Power	12V / 1A		5V / 3A		12V / 3A			12V / 5A		
Multi-Country Power & Regulatory Approvals	X	X	X	X	X	X	X	X	X	X
Built-in Wall Mounting Brackets	X	X	X	X	X	X	X	X	X	X
1 year warranty, parts and labor	X	X	X	X	X	X	X	X	X	X