

BRIGHTSIGN LS/HD/XD/XT COMPARISON TABLE

MODEL	LS423	HD223	HD1023	XD233	XD1033	XT243	XT1143
VIDEO ENGINE DECODER							
Single 1080p60 video decoding	X	X	X	X	X	X	X
Dual 1080@60p decoding				X	X	X	X
Native 4K@60p CEA HDR10 video decoding				X	X	X	X
Dual video decoding of one 4K & one 1080p60 video						X	X
MEDIA FORMATS							
Video Codecs for 4K content: H.265				X	X	X	X
Video Containers for 4K H.265 content: .ts, .mov, .mp4, .mkv				X	X	X	X
Video Codecs for Full HD: H.265, H.264 (MPEG-4, Part 10), MPEG-2, MPEG-1	X	X	X	X	X	X	X
Video Containers for Full HD content: .ts, .mpg, .vob, .mov, .mp4, .m2ts, .wmv	X	X	X	X	X	X	X
Images: BMP, JPEG, PNG	X	X	X	X	X	X	X
Audio: MP2, MP3, AAC, FLAC, OGG, and WAV (AC3 is passed through)	X	X	X	X	X	X	X
HTML5	X (Entry-level)	X (Mainstream)		X (Advanced)		X (Enterprise)	
DISPLAY RESOLUTIONS							
Native 4K resolutions: 3840x2160x24/25/30/50/60p				X	X	X	X
Upscaling to: 3840x2160x24/25/29.97/30p				X	X	X	X
1920x1080x24/25/29.92/30/50/59.94/60p, 1920x1080x50/59.94/60i, 1600x1200x60p, 1440x1050x60/75p, 1440x900x60/75p, 1360x768x60p, 1280x1024x60/75p, 1280x960x60p, 1280x800x60p/75p, 1280x768x60p, 1280x720x50/59.94/60p, 1024x768x60p, 800x600x60/75p, 720x576x50p/50i, 720x480x59.94/60p/60i, 640x480x60p	X	X	X	X	X	X	X
HARDWARE INTERFACES							
Locking Power Connector				X	X	X	X
External micro SD Slot (SDHC and SDXC), SDHC storage up to 32GB SDXC storage up to 2TB	X	X	X	X	X	X	X
M.2 SSD Interface				X	X	X	X
USB High Speed Host Port (also supports content updates)	X (Type C)		X (Type A)		X (2 ports: Type A&C)		X (2 ports: Type A&C)
Phoenix GPIO Port (8-pin bi-directional terminal block)		X	X	X	X	X	X
3.5mm RS-232 Serial Port			X		X		X
3.5mm IR In/Out				X	X	X	X
3.5mm Audio Out (analog & digital)		X	X	X	X	X	X
Analog Audio Out via USB (with dongle)	X						
HDMI 2.0a Out	X	X	X	X	X	X	X
HDM 2.0a Input							X
Ethernet	X (100baseT)				X (Gigabit)		
Power over Ethernet (PoE+)						X	X
M.2 (E) Keyed Wi-Fi/Bluetooth Connector	X	X	X	X	X	X	X
Wi-Fi External Antenna Connectors	X (Single)				X (Dual)		
Status LEDs	Power				Power, Error, Busy, Update		
Reset and Service Buttons	X	X	X	X	X	X	X
Real Time Clock	X	X	X	X	X	X	X

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FEATURES							
H.265 Decoding: smaller file sizes and lower bitrates than H.264	X	X	X	X	X	X	X
Powerful 4K Video Engine: True 4K CEA HDR10, 4K upscaling, dual video decoding and superior scaling				X	X	X	X
Live TV: brings Live TV to your signage via HDMI 2.0a Input, even HDCP-protected content							X
HTML5: hardware-accelerated engine that plays modular HTML assets flawlessly alongside high-bandwidth video	X (Entry-level)	X (Mainstream)		X (Advanced)		X (Enterprise)	
BrightBeacon™: 2-way Bluetooth/Beacon communication between mobile devices & signage	X	X	X	X	X	X	X
BrightWall™: synchronized playback across multiple displays	X	X	X	X	X	X	X
Zones: playback multiple content types on a single screen	X	X	X	X	X	X	X
Mosaic Mode: play a multitude of smaller resolution videos simultaneously that add up to the maximum video resolution of the player		X	X	X	X	X	X
IP Streaming: play streaming media	X	X	X	X	X	X	X
IP Streaming Server: serve IP streams from BrightSign's local storage		X	X	X	X	X	X
Encoding Server: transcode or composite/encode IP streams				X	X	X	X
Interactivity: connect virtually any type of interactive device to a multitude of interactive ports	X (USB, UDP)	X (GPIO, UDP)	X (GPIO, USB, serial, UDP)	X (GPIO, IR, UDP)	X (GPIO, dual USB, serial, IR, UDP)	X (GPIO, IR, UDP)	X (GPIO, dual USB, serial, IR, UDP)
Live Feeds: Live Data, Live Text, MRSS, Twitter, Flickr, etc.	X	X	X	X	X	X	X
Tagging: BrightSign Network users can assign media and player tags for highly targeted content distribution	X	X	X	X	X	X	X
BrightSign App: update signs with an iOS device	X	X	X	X	X	X	X
Geo-Fencing: trigger playback based on location (requires USB dongle)	X		X		X		X
Sign Preview: preview presentation playback in BrightAuthor	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
Remote View: remotely view a video clip of a running BrightSign presentation				X	X	X	X
BrightPlates™: easy template-based sign creation service	X	X	X	X	X	X	X
Networking: update, manage and schedule your signage	X	X	X	X	X	X	X
B-deploy: A setup feature to deploy many players at once	X	X	X	X	X	X	X
SOFTWARE							
Free BrightAuthor Software	X	X	X	X	X	X	X
BrightSign Networking Options	X	X	X	X	X	X	X
ACCESSORIES							
USB Button Pads	X		X		X		X
Wireless/Bluetooth Module	X	X	X	X	X	X	X
MicroSD Class 10 Cards (various capacities)	X	X	X	X	X	X	X
MISCELLANEOUS							
Dimensions (W x H x D)	96.8 x 23.7 x 144.3mm or 3.8 x 0.9 x 5.7 in	159.9 x 22 x 144.2mm or 6.3 x 0.87 x 5.7 in			179.9 x 21.9 x 204.2mm or 7.1 x 0.86 x 8 in		
Weight	5.6 oz	12 oz		20 oz			
Power	5V/2A (10 Watts)USB compatible power	12V / 1.5A (18 Watts)			12V / 3A (36 Watts)		
Multi-Country Power & Regulatory Approvals	X	X	X	X	X	X	X
Built-in Wall Mounting Brackets	X	X	X	X	X	X	X
1 year warranty, parts and labor	X	X	X	X	X	X	X