BRIGHTSIGN LS/HD/XD/XT COMPARISON TABLE

MODEL	LS424	HD224	HD1024	HO523	XD234	XD1034	XT244	XT1144
VIDEO ENGINE DECODER								
Single 1080p60 video decoding	X	X	X	X	X	X	X	X
Native 4K@60p video decoding		X	X		X (Dolby Vision and HDR10+)			
Dual video decoding					X (HD)	X (HD)	X (4K)	X (4K)
4K full resolution graphics							X	X
MEDIA FORMATS								
Video Codecs for 4K content: H.265/H.264		X	X		X	X	X	X
Video Containers for 4K H.265/H.264 content: .ts, .mov, .mp4, .mkv		X	X		X	X	X	X
Video Codecs for Full HD: H.265, H.264 (MPEG-4, Part 10), MPEG-2	X	X	X	X	X	X	X	X
Video Containers for Full HD content: .ts, .mpg, .vob, .mov, .mp4, .m2ts	X	X	X	X	X	X	X	X
Image support: BMP, JPEG, PNG	X	X	X	X	X	X	X (4K)	X (4K)
Audio: MP2, MP3, AAC, and WAV (AC3 is passed through)	X	X	X	X	X	X	X	X
HTML5	X (Entry-level)		X (Mainstream)		X (Advanced)		X (Enterprise)	
DISPLAY RESOLUTIONS								
4K resolutions: 3840x2160, 4096x2160, 3840x600		X	X		X	X	X	X
Upscaling to: 3840x2160, 4096x2160, 3840x600		X	X		X	X	X	X
1920x1080, 1920x1200, 1600x1200, 1440x1050, 1440x900, 1360x768, 1280x1024, 1280x960, 1280x800, 1280x768, 1280x720, 1024x768, 800x600, 720x576, 720x480, 640x480	X	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	X
M.2 SSD PCIe 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)		X (2 ports: Type A&C)		X (2 ports: Type A&C)
12-pin Phoenix GPIO port with 8 bi-directional GPIOs		X	X	(6 pin)	X	X	X	X
3.5mm RS-232 Serial Port			X	X		X		X
3.5mm IR In/Out		X	X	X	X	X	X	X
3.5mm Audio Out (analog -or- SPDIF digital, non-simultaneous)		X	X	X	X	X	X	X
Analog Stereo Audio (requires USB adapter cable)	X							
HDMI Out	X (1.4a)	X (2.0a)	X (2.0a)	X (1.4a via JAE)	X (2.0a)	X (2.0a)	X (2.0a)	X (2.0a)
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	X
Wi-Fi External Antenna Connector	X	X	X	X	X	X	X	X

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Status LEDs	Power		Power, Error, Busy, Update			Power, Busy, Wireless, Update		
Reset and Service Buttons	X	X	X	X	X	X	X	X
Real Time Clock		X	X	X	X	X	X	X
FEATURES								
H.265 Decoding	X	X	X	X	X	X	X	X
4K Video		X	X		X	X	X	X
Dolby Vision, HDR10 & HLG	HDR10 & HLG	HDR10 & HLG	HDR10 & HLG		X	X	X	X
4K Full Resolution Graphics							X	X
Live TV								X
HTML5	X (Entry Level)		X (Mainstream)		X (Advanced)		X (Enterprise)	
BrightBeacon™ (requires optional Wireless/ Bluetooth module)	X	X	X	X	X	X	X	X
BrightWall™	X	X	X	X	X	X	X	X
AutoWall™	X	X	X	X	X	X	X	X
Zones	X	X	X	X	X	X	X	X
Mosaic Mode		X	X	X	X	X	X	X
IP Streaming	X	X	X	X	X	X	X	X
Interactivity	X (USB, UDP)	X (GPIO, UDP)	X (GPIO, USB, serial, UDP)	X (GPIO, dual USB, serial, IR, 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	X	X	X	X	X	X	X	X
Tagging	X	X	X	X	X	X	X	X
BrightSign App	X	X	X	X	X	X	X	X
Geo-Fencing	X		X	X		X		X
Sign Preview	X	X	X	X	X	X	X	X
Remote Snapshot	X	X	X	X	X	X	X	X
Networking	X	X	X	X	X	X	X	X
B-deploy	X	X	X	X	X	X	X	X
Extended Thermal		X	X	X	X	X	X	X
SOFTWARE & SERVICES								
Free BrightAuthor:connected & BrightAuthor Software	X	X	X	X	X	X	X	X
BSN.cloud & BrightSign Networking Services	X	X	X	X	X	X	X	X
ACCESSORIES								
USB Button Pads	X		X	X		X		X
Wireless/Bluetooth Module	X	X	X	X	X	X	X	X
MicroSD Class 10 Cards (various capacities)	X	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*		*200 x 30 x 122mm or 7.9 x 1.2 x 4.8 in*	*179.9 x 21.9 x 204.2mm or 7.1 x 0.86 x 8 in*			
Weight	5.6 oz	12 oz		22.9 oz	20 oz			
Power	5V/2A (10 Watts)USB compatible power	12V / 1.5A (18 Watts)		12V-19V DC nominal	12V / 3A (36 Watts)			
Multi-Country Power & Regulatory Approvals	X	X	X	X	X	X	X	X