

Model	LS423	HD223	HD1023	HO523	XD233	XD1033	XT243	XT1143
	Standard I/O	Standard I/O	Expanded I/O		Standard I/O	Expanded I/O	Standard I/O	Expanded I/O
VIDEO ENGINE DECODER								
Single 1080p60 video decoding	x	x	x	x	x	x	x	x
Dual 1080p60 video decoding					x	x	x	x
Native 4K@60p CEA HDR10 video decoding					x	x	x	x
Dual video decoding of one 4K and one 1080p60 videos							x	x
MEDIA FORMATS								
Video codecs supports 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	x
Video Containers for Full HD content: .ts, .mpg, .vob, .mov, .mp4, .m2ts, .wmv	x	x	x	x	x	x	x	x
Images: BMP, JPEG, PNG	x	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	x
HTML5 Support	Entry Level	Mainstream			Advanced		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, 1280x800x-60p/75p, 1280x768x60p, 1280x720x50/59.94/60p, 1024x768x60p, 800x600x60/75p, 720x576x50p/50i, 720x480x59.94/60p/60i, 640x480x60p	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 via SDXC (up to 2TB)	x (type c)	x	x (type a)	x (2x type a)	x	x (type a&c)	x	x (type a&c)
M.2 SSD mSATA Interface					x	x	x	x
USB High Speed Host Port	x		x	x		x		x
Phoenix GPIO Port		x	x	x	x (6-pin)	x	x	x
3.5mm RS-232 Serial Port			x	x		x		x
3.5mm IR In/Out				x	x	x	x	x
3.5mm Audio Out (analog & digital)		x	x	x	x	x	x	x
Digital/Audio out via USB (with dongle)	x							
HDMI 2.0a Out	x	x	x		x	x	x	x
HDMI 2.0a in								x
Ethernet	100baseT	100baseT	100baseT	100baseT	Gigabit	Gigabit	Gigabit	Gigabit
Power over Ethernet (PoE+)							x	x
M.2 (E) Keyed Wi-Fi/Bluetooth Connector	x	x	x	x	x	x	x	x
Status LEDs	Power	Power, Error, Busy, Update						
Reset and Services Button	x	x	x	x	x	x	x	x
Real Time Clock	x	x	x	x	x	x	x	x
FEATURES								
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
BrightBeacon™: 2-way Bluetooth/Beacon communication between mobile devices & signage. Requires optional Wireless/Bluetooth module.	x	x	x	x	x	x	x	x
BrightWall™: synchronized playback across multiple displays	x	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	x
IP Streaming: play streaming media	x	x	x	x	x	x	x	x
IP Streaming Server: serve IP streams from local storage		x	x	x	x	x	x	x
Encoding Server: transcode or composite/encode IP streams					x	x	x	x
Interactivity: connect virtually any interactive device to a multitude of interactive ports	USB, UDP	GPIO, UDP	GPIO, UDP, USB, Serial	GPIO, UDP, USB, Serial	GPIO,UDP, IR	GPIO,UDP, IR, USB, Serial	GPIO, UDP, IR	GPIO, UDP, IR, dual USB, Serial
Geo-Fencing: trigger playback based on location	x		x	x		x		x
Live Feeds: Live Data, Live Text, MRSS, Twitter, Flickr, etc.	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
Remote View: remotely view a video clip of a running BrightSign presentation					x	x	x	x
ACCESSOIRES								
USB Button Pads	x		x	x		x		x
Wireless/Bluetooth Module	x	x	x	x	x	x	x	x
MISCELLANEOUS								
Dimensions (W x H x D)	96.8 x 23.7 x 144.3mm	159.9 x 22 x 144.2mm		200 x 30 x 122mm	179.9 x 21.9 x 204.2mm			
Weight	159 gr	340 gr	340 gr	649 gr	567 gr	567 gr	567 gr	567 gr
Power	5V / 2A via USB (10 Watts)	12V / 1.5A (18 Watts)		12V-19V DC nominal	12V / 3A (30 Watts)			
Multi-Country Power & Regulatory Approvals	x	x	x	x	x	x	x	x
Built-in Wall Mounting Brackets	x	x	x	x	x	x	x	x
1 year warranty, parts and labor	x	x	x	x	x	x	x	x