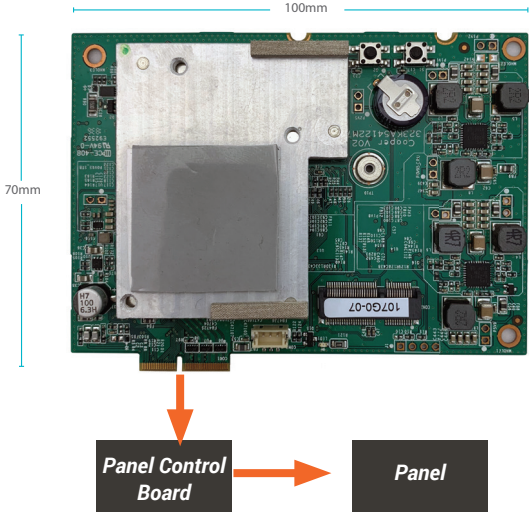


BRIGHTSIGN BUILT-IN

BRIGHTSIGN BUILT-IN SoC SERIES4

BrightSign offers two System on a Chip (SoC) solutions based on the HD Series 4 class BrightSign player. The BrightSign Built-In portfolio consists of the HS124 and HS144, both of which feature a new, low-profile form factor and are intended for integration into OEM commercial products. The BrightSign HS124 offers Full HD video, while the BrightSign HS144 offers 4K video support. BrightSign's SoC solutions are compatible with all BrightSign software, services and a wide range of supported CMS solutions.


As with all BrightSign hardware, our SoC solution is purpose-built for digital signage, with a dedicated OS for unrivaled performance & security, and broad industry support from leading CMS providers. BrightSign SoC is the clear choice for display-integrated digital signage.




Model Features


- Powerful video engine (HS124 supports Full HD 1080p60 single decode; HS144 supports 4Kp60 single decode)
- Low-power, fan-less design (optional heatsink fins can be installed to improve thermal dissipation)
- HDMI output (HS124 supports 1.4; HS144 supports 2.0a) with CEC
- Mainstream HTML5 Engine
- Highly reliable media handling platform
- 100baseT Ethernet
- S/PDIF digital audio
- Engaging interactive controls: GPIO, UDP, 1x USB 2.0, Serial and IR controls
- Wi-Fi/Bluetooth module (optional)
- Single edge connector for all host I/O (mates with industry-standard M.2 sockets)


HS144





4K60p single decode



1080p60 single decode



H.265


Mainstream HTML5



IP Streaming



BrightBeacon™



BrightWall™



AutoWall™


HS124



Zones



Interactive



Live Feeds



Geo-Fencing



Tagging



BrightSign App


Sign Preview


Remote Snapshot


B-Deploy


Digital Audio


Mosaic Mode

BrightSign, LLC. 983 University Ave, Suite A, Los Gatos, CA 95032 | USA 408-852-9263 | International +44 1223 298500 | www.brightsign.biz

SPECIFICATIONS

MODEL	HS124	HS144
VIDEO ENGINE DECODER		
Native 4K@60p video decoding		X
1080p60 video decoding	X	X
MEDIA FORMATS		
Video Codecs for 4K content: H.265/H.264		X
Video Containers for 4K H.265/H.264 content: .ts, .mov, .mp4, .mkv		X
Video Codecs for Full HD: H.265, H.264(MPEG-4, Part 10), MPEG-2, MPEG-1	X	X
Video Containers for Full HD: .ts, .mpg, .vob, .mov, .mp4, .m2ts	X	X
Images: BMP, JPEG, PNG	X	X
Audio: MP2, MP3, AAC, and WAV (AC3 is passed through)	X	X
HTML5	X (Mainstream)	
DISPLAY RESOLUTIONS		
4K resolutions: 4096x2160, 3840x2160, 3840x600		X
Upscaling to: 3840x2160x24/25/29.97/30p		X
1920x1200, 1920x1080x24/25/29.97/30/50/59.94/60p, 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
HARDWARE CAPABLE INTERFACES		
External micro SD Slot (SDHC and SDXC); SDHC storage up to 32GB SDXC storage up to 2TB	X	X
USB 2.0 High Speed Host Port (also supports content updates)	X	X
Phoenix GPIO Port (4-pin bi-directional terminal block)	X	X
RS-232 Serial Port	X	X
IR In/Out	X	X
Audio Out (analog & digital)	X	X
HDMI Out	X (1.4)	X (2.0a)
Ethernet	X (100baseT)	
M.2 (E) Keyed Wi-Fi/Bluetooth Connector (for the Wi-Fi module)	X	X
Status LEDs	Power, Error, Busy, Update	
Reset and Service Buttons	X	X
Real Time Clock	X	X
FEATURES		
H.265 Decoding: smaller file sizes and lower bitrates than H.264	X	X
HTML5: hardware-accelerated engine that plays modular HTML assets flawlessly alongside high-bandwidth video	X (Mainstream)	

MODEL	HS124	HS144
BrightBeacon™: 2-way Bluetooth/Beacon communication between mobile devices & signage	X	X
BrightWall™: synchronized playback across multiple displays	X	X
Zones: playback multiple content types on a single screen	X	X
Mosaic Mode: simultaneously play a multitude of smaller resolution videos that add up to the maximum video resolution of the player	X	X
IP Streaming: play streaming media	X	X
Interactivity: connect virtually any type of interactive device to a multitude of interactive ports	X (GPIO, USB, serial, UDP)	
Live Feeds: Live Data, Live Text, MRSS, Twitter, Flickr, etc.	X	X
Tagging: BrightSign Network users can assign media and player tags for highly targeted content distribution	X	X
BrightSign App: update signs with an iOS device	X	X
Geo-Fencing: trigger playback based on location (requires USB dongle)	X	X
Sign Preview: preview presentation playback in BrightAuthor	X	X
Remote Snapshot: remotely view a snapshot image of the display's playback	X	X
Networking: update, manage and schedule your signage	X	X
B-deploy: A setup feature to deploy many players at once	X	X
SOFTWARE		
Free BrightAuthor Software	X	X
BrightSign Networking Options	X	X
ACCESSORIES		
USB Button Pads	X	X
Wireless/Bluetooth Module	X	X
MicroSD Class 10 Cards (various capacities)	X	X
HS-Heatsink	X	X
MISCELLANEOUS		
Dimensions with fin (W x H x D)	100 x 70 x 16.5 mm or 3.9 x 2.8 x 0.6 in	
Dimensions without fin (W x H x D)	100 x 70 x 7 mm or 3.9 x 2.8 x 0.28 in	
Weight	2.6 oz	
Power	12V / 2A	
1 year warranty, parts and labor	X	X