

## MediaHubs Orchestrate Customer Experience



### Model MH2-4K

- 4K BrightSign® digital signage module HS144 (see page 2)
- Dual purpose audio jack optical + analog (3.5mm x 1)



### Model MH4-HD

- HD BrightSign® digital signage module HS124 (see page 2)
- HDMI outputs (HDMI x 4)
- CEC control via HDMI port 1
- Discrete digital audio (3.5mm optical x 1)
- Discrete analog audio (3.5mm x 1)



### Model MH6-4K

- 4K BrightSign® digital signage module HS144 (see page 2)
- Dual purpose audio jacks, optical + analog (3.5mm x 4)
- Audio bus output, dual purpose optical + analog (3.5mm x 1)



### Shared Features

- BrightSign® digital signage module HS144 or HS124 (see page 2)
- CEC control via HDMI port
- Video Formats: See page 2
- Recommended Audio Formats:
  - MP3 (mono or stereo) @ 44.4kHz or 48kHz
  - WAV (mono or stereo) @ 96kHz, 48kHz, or 44.1kHz
- External sensor or push-button ports (RJ9 x 8)
- USB 2.0 (USB-A x 1)
- RS-485 control ports (RJ-45 x 2) for control including touch panels and volume knob
- RS-232 port (RJ-45 x 1, Baud rate is software selected)
- Ethernet Network port for updates and control (RJ-45 x 1)
- Media storage: microSD or SDHC media card slot
- LED indicators: Power, Error, Busy
- Dimensions (HxWxD, inches): 5.4 x 5.2 x 1.8
- Power Supply: external 12V DC, 5A

# BrightSign Module Specifications

MODEL	HS124	HS144
<b>VIDEO ENGINE DECODER</b>		
Native 4K@60p video decoding		X
1080p60 video decoding	X	X
<b>MEDIA FORMATS</b>		
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)	
<b>DISPLAY RESOLUTIONS</b>		
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, 1280x800x60/75p, 1280x768x60p, 1280x720x50/59.94/60p, 1024x768x60p, 800x600x60/75p, 720x576x50p/50i, 720x480x59.94/60p/60i, 640x480x60p	X	X
<b>HARDWARE CAPABLE INTERFACES</b>		
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

MODEL	HS124	HS144
<b>FEATURES</b>		
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)	
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
<b>SOFTWARE</b>		
Free BrightAuthor Software	X	X
BrightSign Networking Options	X	X
<b>ACCESSORIES</b>		
USB Button Pads	X	X
Wireless/Bluetooth Module	X	X
MicroSD Class 10 Cards (various capacities)	X	X
<b>MISCELLANEOUS</b>		
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



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