

BRIGHTSIGN HD5

SoC integration solution powered by BrightSignOS™

BrightSign HS5 enables screen manufacturers to integrate powerful BrightSign technology and deliver all-in-one display solutions for commercial digital signage applications. BrightSign HS5 models provide all the benefits of LS5 players and delivers them as a System on a Chip (SoC) solution ready to be built into small and large format displays. Both models run BrightSignOS, the only purpose-built operating system delivering unrivaled security & reliability for all digital signage experiences.



FEATURES

- Two models available: Full HD and 4K video
- Low-power, fan-less design (requires a heatsink or bonded thermal solution to improve thermal range)
- Single edge connector for all host I/O (mates with industry-standard M.2 sockets)
- HDMI output with CEC support
- Mainstream HTML5 Engine to play standard motion graphics
- Broad industry support from leading CMS providers
- Highly reliable media handling platform
- Engaging interactive controls: GPIO, UDP, USB-A, Serial, and IR controls
- 100baseT Ethernet
- S/PDIF digital audio
- Supports an optional dual antenna Wi-Fi/Bluetooth module

SPECIFICATIONS

MODEL	HS125 Expanded I/O	HS145 4K Expanded I/O
HTML5 & VIDEO ENGINE		
HTML5 Performance Level	Mainstream Plays standard HTML widgets & graphic animations	
Single 4K60p video decoding		X (10-bit)
Full HD video decoding	X	X
Dual HD video decode		X
HD images & graphics	X	X
MEDIA FORMATS & RESOLUTIONS		
4K Video codecs: H.265 and H.264		X
4K Video Containers: .ts, .mov, .mp4, .mkv		X
Full HD Video Codecs: H.265, H.264 (MPEG-4, Part 10), MPEG-2	X	X
Full HD Video Containers: .ts, .mpg, .vob, .mov, .mp4, .m2ts	X	X
4K Video Resolutions: 4096x2160x23.97/24/25/29.97/30/50/59.94/60p 3840x2160x23.97/24/25/29.97/30/50/59.94/60p		X
Full HD Resolutions: 1920x1080x23.97/24/25/29.97/30/50/59.94/60p	X	X
Supports additional & customizable resolutions: includes unique, non-standard aspect ratios at various frame rates	X	X
Images: BMP, JPEG, PNG	X	X
Audio: MP2, MP3, AAC and WAV (AC3 is passed through)	X	X
HTML5: .html, Chromium-based, CSS, JavaScript, WebGL	X	X
HARDWARE INTERFACES		
HDMI Outputs	1	1
HDMI 1 Output:	X (HDMI 2.0a)	X (HDMI 2.0a)
Ethernet:	X (10/100)	X (10/100)

MODEL	HS125 Expanded I/O	HS145 4K Expanded I/O
USB-A: provides 5V/1A power to peripheral devices	X	X
GPIO	X (4 bi-directional ports)	X (4 bi-directional ports)
IR: In / Out	X	X
Serial: RS-232	X	X
Audio: (Analog or SPDIF)	X	X
MicroSD	X	X
Optional Wi-Fi/Bluetooth: E Key M.2 Interface for WD-105 module	X	X
Reset & Service Buttons	X	X
Real Time Clock with 14-day life	X	X
ACCESSORIES		
BP200 & BP900 USB Button Pads	X	X
Micro SD Class 10 cards (various capacities)	X	X
WD-104 Dual Antenna Wireless/Bluetooth Module	X	X
BrightSign Mobile USB Modem	X	X
SOFTWARE & SERVICES		
BrightSignOS	X	X
Free BrightAuthor:connected or BrightAuthor software	X	X
Free Control Cloud	X	X
Optional Subscription-based BSN.cloud	X	X
Optional BrightSign Mobile Service	X	X
MISCELLANEOUS		
Dimensions (WxDxH)	100 x 70 x 14.25 mm	100 x 70 x 14.25 mm
Player Weight	TBD	TBD
Power	12V / 1.5A	12V / 1.5A
1 year warranty, parts and labor*	X	X

*2 year warranty, parts and labor, for units shipped from an EU or UK distribution center and to an EU or UK address.