

# BrightSign® HD6

Entry-level 4K player with 10-bit HDR support, expanded peripheral capabilities and external device controls.

BrightSign HD6 transforms signage into eye-catching, premium interactive experiences with diverse engagement capabilities, ultra-high-definition video playback, and impressive HTML performance, making it a practical PC replacement.

## Bolster User Interactions

Support simple and complex user interfaces.



- Expanded and affordable peripheral support
- Compatible with touch interfaces
- Multiple options for external device control

## Personalized Experiences

Build targeted experiences.



- Custom engagement paths
- Insightful usage data tracking
- Valuable analytic integrations

## Informative Dashboards

Productive and dynamic visualizations.



- Smooth 2D motion graphics
- Live data and media feeds
- Quality 4K IP streaming

## Supports Outdoor Signage

Eye-catching visuals for all environments.



- 4k 60HZ video and vibrant 10-bit HDR support
- Programmatic ad integrations
- Reliable design and remote controls



## HD226 Standard I/O Package

Built for interactive experiences that leverage Full HD to 4K video, 10-bit HDR support, and 2D motion graphics. Ensure uninterrupted content with a secure internal microSD socket. Deliver high-quality visuals on any location using an optional LTE modem.

## HD1026 Expanded I/O Package

Extend engagement by supporting immersive options, like touchscreens, via USB and serial ports.



## The BrightSign HD6 Advantage

- Impactful and smooth animations and dynamic visuals effortlessly and reliably, without a PC
- Craft engaging experiences by immersing all the senses and enable interactive storytelling
- Capture user behavior data to deliver personalized experiences
- Seamless integrations with trusted analytics and monetization tools
- Ensure dependable operations with a secure internal microSD, or in any location with an optional LTE modem
- Unparalleled reliability, security, and sustainability on BrightSignOS™
- Reduce total cost of ownership with complimentary remote player management and controls
- Achieve CMS choice flexibility with a trusted global network of leading integrated partner solutions
- Leverage an integrated Neural Processing Unit (NPU) which enables BrightSign players to run powerful AI applications without compromising on video or graphics performance

# BrightSignOS™

The power of purple.

The only purpose-built operating system that brings unrivaled reliability, security, signage power and sustainability to every BrightSign player.



## SECURE

**Unrivaled security** that reduces risk to near zero with purpose-built file system designed to remove vulnerabilities and only runs signage.

- Exceptionally protected operating system with a secure digital signature
- Runs a singular signage application to protect against viruses
- Configurable to any type of security profile
- Security extends to integrated CMS solutions



## RELIABLE

**Legendary reliability** with unmatched uptimes and a lower total cost of ownership.

- Persistent self-healing protocols resulting in unmatched uptimes
- Secure built-in remote player management and monitoring
- Remote diagnostics and controls to reduce costly on-site visits
- Removable storage that avoids rip/replace situations



## SUPERIOR

**Superior signage performance** for simple to sophisticated experiences.

- Optimized to run cutting-edge video and motion graphics
- Abundant signage features available with free authoring software
- Integrated with hundreds of global CMS solutions
- Highly extensible to securely run specialized signage technologies



## SUSTAINABLE

**Unmatched sustainability** through updates that stay ahead of market demands.

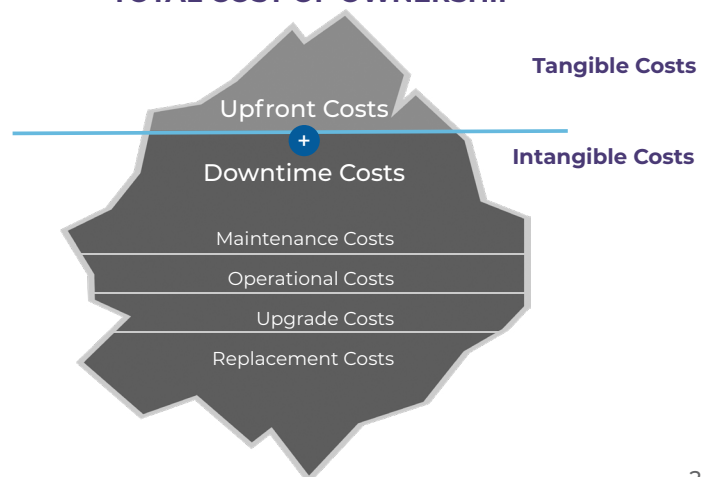
- Low power requirements with high performance
- Guaranteed long life cycle support for unprecedented longevity
- Free updates applied on-demand and consistent across hardware generations
- Remote re-provisioning at any time to ensure flexibility

## Invest in BrightSignOS to achieve long-term success

Designed to reduce risk and save on signage.

Downtime is the most expensive investment in signage that often gets overlooked. Failure doesn't happen at implementation, it happens after. BrightSignOS™ is designed to solve and mitigate ongoing risks to avoid rip and replace situations resulting in huge savings throughout the long life of your player.

### TOTAL COST OF OWNERSHIP



# Hardware Specifications

## Front View



## Rear View



- USB Type A port: provides 5V/1A power to peripheral devices, such as touch screens
- GPIO port: 8 bi-directional GPIOs
- Audio port: supports analog & SPDIF digital
- Real time clock: 14-day life

# Software & Services

A scalable cloud infrastructure that securely connects BrightSign players to a suite of integrated services for remote device, content, and network management.

**bsn.Control**  
Free remote player monitoring and control service with a choice of CMS.

**bsn.Content**  
Paid CMS service for cloud-based content, network and user management.

**Partner CMS Solutions**  
Flexible choices with seamless player integrations.

**brightAuthor connected**  
Free software to provision players, access BSN.Cloud services, and connect to a variety of partner CMS solutions.



# Technical Specifications

	HD226	HD1026
I/O Package	Standard	Expanded
<b>AI ENABLEMENT</b>		
Neural Processing Unit (NPU)	√	√
<b>VIDEO &amp; HTML5 ENGINES</b>		
4K video decoding	Single 10-bit at 60p	Single 10-bit at 60p
Full HD at 60p video decoding	√ (dual)	√ (dual)
4K video rotation	√	√
HD images & graphics	√	√
HTML5 Performance	Modular 2D motion graphics	Interactive 2D motion graphics
HTML support: HTML5, CSS, JavaScript, and Chromium compatible	√	√
HTML resolution	HD	HD
10-bit HDR support	√	√
Supports 4K IP streaming	√	√
<b>MEDIA FORMATS</b>		
4K Video codecs: H.265/HEVC, H.264/AVC, VP9	√ H.265, H.264 at 60p	√ H.265, H.264 at 60p
4K Video Containers: MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	√	√
Full HD Video Codecs: H.265/HEVC, H.264/AVC, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video	√	√
Full HD Video Containers: MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG	√	√
Images: BMP, JPEG, PNG	√	√
Audio: MP2, MP3, AAC and WAV (eAC3 is passed through)	√	√
<b>DISPLAY RESOLUTIONS</b>		
Supports all common screen resolutions up to 4K	√	√
Supports <a href="#">additional</a> & <a href="#">customizable</a> display resolutions with unique aspect ratios	√	√
<b>BRIGHTSIGN ACCESSORIES</b>		
BP200 & BP900 USB Button Pads		√
MicroSD Class 10 Cards (various capacities)	√	√
BrightSign Mobile USB Modem & Service		√
<b>MISCELLANEOUS</b>		
Operating Temperature Range	0°C to 50°C	
Dimensions (W x D x H)	205 x 185.9 x 19.2mm	
Shipping Weight / Player Weight	1.3 kg / 0.59 kg	
Locking Power Supply	12V / 3A	
Multi-Country Power & Regulatory Approvals	√	√
Built-in Wall Mounting	√	√
Included 5-Year Warranty, parts and labor*	√	√

\*Warranty program applies to Series 5 players purchased from BrightSign after January 1, 2025. Warranty program does not apply to accessories. Learn more at <https://www.brightsign.biz/brightsign-players/warranty/>.