BrightSign® LS5

Entry-level player for essential signage needs.

BrightSign LS5 delivers essential digital signage capabilities with flawless video quality, core motion graphics, and basic interactivity via USB-C, all within an ultra-compact, energy-efficient design. Its reliable, secure, and power-optimized design, makes it an easy choice to replace simple PC-based solutions.

Active Backdrops
Enhanced visual ambiance.

- Flawless video playback
- Full HD or 4K model options
- Flexible network options

Dynamic Information Screens
Bring information to life.

- Engaging widgets & animations
- Quick media & text updates
- Dispay real-time content

Immersive Signage
Engaging Interactivity.

- Intuitive touch interactions
- Informative digital audio prompts
- Remote player controls

Product Spotlights
Dynamic showcases that boost sales.

- Eye-catching dynamic visuals
- Effective content zone controls
- Trusted CMS and POS integrations

LS425
Basic I/O Package

Flawlessly runs Full HD video and core motion graphics with basic interactivity via USB-C.

LS445
Basic I/O Package

Advances video capabilities to 4K resolution.

The BrightSign LS5 Advantage

- Deliver flawless video playback and streaming with confidence and without a PC
- Draw attention with captivating animations and timely live content that gets results
- Boost engagement with essential interaction options and audio cues
- Power-efficient, ultra-compact design that ensures continuous online operation
- Operate with unparalleled reliability, security, and sustainability on BrightSignOS™
- Entry-level player with free remote player management and controls
- CMS choice flexibility with a trusted global network of leading integrated partner solutions

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

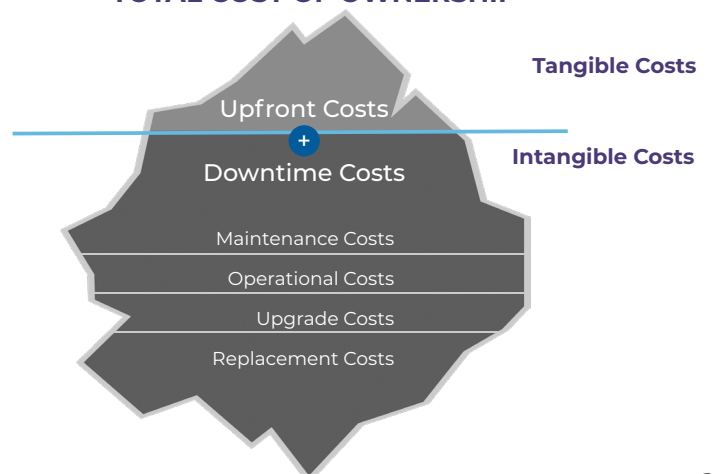**Unmatched sustainability** through updates that stay ahead of market demands.
- Low power requirements with high performance
- Guaranteed long life cycle support for unprecedented longevity
- Free updates applied on-demand and consistent across hardware generations
- Remote re-provisioning at any time 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.
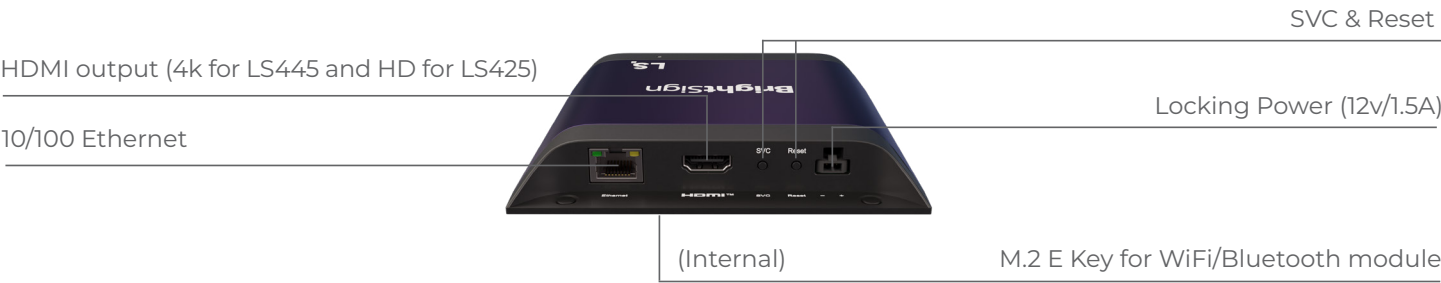
TOTAL COST OF OWNERSHIP

Upfront Costs
+
Downtime Costs

Maintenance Costs

Operational Costs

Upgrade Costs

Replacement Costs

Tangible Costs

Intangible Costs

Hardware Specifications

Front View

MicroSD

USB-C

Audio (3.5mm)

Status LED

Wi-Fi Antennas

Rear View

SVC & Reset

HDMI output (4k for LS445 and HD for LS425)

Locking Power (12v/1.5A)

10/100 Ethernet

(Internal) M.2 E Key for WiFi/Bluetooth module

- USB Type C port: The USB-C port supports both device and host mode, and supports custom cable solutions such as USB-C to GPIO cable, USB-C to USB-A and 3.5 serial cable, and USB-C to IR
- 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.

bsn. Control **bsn.**Content **bright**Author connected

BSN.Cloud Solution

Technical Specifications

	LS425	LS445
I/O Package	Standard	Expanded
AI ENABLEMENT		
Neural Processing Unit (NPU)	√	√
VIDEO & HTML5 ENGINES		
4K video decoding		√ 8-bit at 60p 10-bit at 30p
Full HD at 60p video decoding	√	√
HD Image & Graphics	√	√
HTML5 Performance	Popular HTML widgets & simple motion graphics	
HTML support: HTML5, and simple motion graphics	√	√
Supports 4K IP streaming	√	√
MEDIA FORMATS		
4K Video codecs: H.265, H.264		√ H.265 at 60p H.264 at 30p
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 (AC3 is passed through)	√	√
DISPLAY RESOLUTIONS		
Supports all common screen resolutions	HD	4K
Supports additional & customizable display resolutions with unique aspect ratios	√	√
ACCESSORIES		
BP200 & BP900 USB Button Pads	√	√
MicroSD Class 10 Cards (various capacities)	√	√
BrightSign Mobile USB Modem & Service	√	√
MISCELLANEOUS		
Operating Temperature Range	0°C to 50°C	
Dimensions (W x D x H)	126.6 x 141.84 x 19.41 mm(WxDxH)	
Player Weight	0.18 kg	
Locking Power Supply	12V / 1.5A	
Multi-Country Power & Regulatory Approvals	√	√
Built-in Wall Mounting	√	√
Included 5-Year Warranty, parts and labor*	√	√
MSRP	$300	$400

*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/.