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.

BrightSignOS is a purpose-built operating system designed exclusively for digital signage, delivering unmatched reliability, security, and performance for always-on environments. Unlike general-purpose operating systems, it is engineered to support dedicated, long-term, and consistent signage experiences at scale.



RELIABLE. Engineered for continuous operation for always-on performance you can trust.

- Automatic fault detection and self-healing protocols for recovery without intervention
- Remote diagnostics and controls to reduce costly on-site visits
- Supports replaceable storage and fixed memory is available on BrightSign players



FLEXIBLE. Supports 200+ CMS partners, open APIs, and built to be adaptable to any use case, today and tomorrow.

- 200+ CMS partner integrations without switching hardware
- Supports AI at the edge via integrated Neural Processing Units (NPU) on BrightSign players
- Used in a wide portfolio of players and built-in SoC solutions for any use case



SECURE. Security is embedded at every layer, in addition to secure boot, and a small attack footprint.

- Runs only BrightSign-approved code and extensions
- Configurable to any type of security profile
- Long-term OS patching and updates (5+ years)



SUPERIOR. Deliver stunning visuals with high-quality video and graphics.

- Enables 4K and 8K video playback with high-fidelity graphics
- Synchronized multi-player support for video walls and multi-screen installs
- Highly extensible to securely run specialized signage technologies



VALUE. Lower total cost of ownership and free built-in device management.

- Industry-leading 5-year warranty
- Free device management is included with every player
- Remote diagnostics and monitoring reduce costly on-site visits



SUSTAINABLE. Stay relevant longer with energy-efficient hardware, intelligent display control, and remote management.

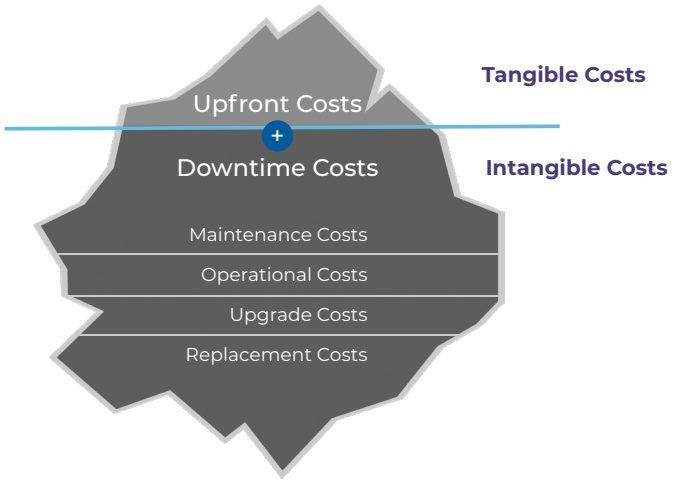
- Supports low power consumption with intelligent off-hours display control
- Optimized for media playback and device control
- Purpose-built OS without unnecessary software or processes

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 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.

BrightSign CONTROL
Free remote player monitoring and control service.

BrightSign CONTROL PLUS
Fleet management service with bulk operations, remote diagnostics, AI-powered assistance, centralized scheduling at scale, and network management.

BrightSign AUTHOR
Free software to provision players, access BrightSign Author Plus, and connect to a variety of partner CMS solutions.

BrightSign AUTHOR PLUS
Complete cloud-based CMS for scalable, centralized content management across distributed digital signage networks.

Partner CMS Solutions
Flexible choices with seamless player integrations.

Together, BrightSign Control Plus and BrightSign Author Plus deliver the full advantages of intelligent fleet management with a modern cloud CMS solution to remotely manage devices, and publish content — no matter where you are.

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, .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, .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*	√	√

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

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