

SDM BrightSign Built-In Player.



Power, flexibility and future-ready performance, without compromise

The SDM BrightSign Built-In Player combines the legendary reliability of BrightSign's signage engine with the modular versatility of the Intel® Smart Display Module (SDM) form factor. Designed for seamless integration into supported Large Format Displays (LFD), this player is engineered for mission-critical applications that demand high-speed data processing, real-time sensor integration, and enterprise-grade security.

- **Flagship Performance** - providing the heavy-lift compute needed for simultaneous 4K video, complex 3D graphics, and real-time data processing.
- **Dual 4K Decoding** - A powerhouse media engine capable of decoding two 4K60p videos at once, or managing a massive array of Full HD sub-zones without losing a single frame.
- **BrightSignOS™ Reliability** - Built on a dedicated, non-PC operating system designed exclusively for signage. It offers "Purple" reliability: no blue screens, no forced updates, and a self-healing file system.
- **Modular & Cable-Less** - Simplifies installation and maintenance by sliding directly into the SDM-L slot of your Sharp or NEC display.
- **Pro-Grade HTML5** - Chromium-based hardware acceleration ensures fluid CSS animations, WebGL performance, and lightning-fast execution of JavaScript-heavy data feeds.
- **Soundless & Robust** - Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation.

Specifications

Order Codes

SDM BSBI Player XS156	L50SDM-BSBI-XS156
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Player Configuration

CPU	BrightSign XS6 Series performance
Graphics performance	up to 4K 60Hz resolution supported video codecs and formats: H.265/HEVC, H.264/AVC, VP9, MPEG 4 part 2, MPEG1 video, MPEG2 video; MP4, .MOV, .MKV, .WEBM, .TS, .MPG, .MPEG, .PS, .M2P, .MPV, .AVI, .HEVC, .H264, .AV1, .VP9, and .MJPG
Operating System	BrightSignOS™
Security Tools	Purpose-built file system designed to remove vulnerabilities and only runs signage; Protected operating system with a secure digital signature; Singular signage application to protect against viruses; Configurable to any type of security profile; Security extends to integrated CMS solutions
Software & Services	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)
CMS compatibility	refer to www.brightsign.biz/partners

Connectivity

Interfaces Frontside	microSD card slot RJ45: Gigabit IR (3.5mm)
Interfaces backside	SDM I/F: RJ45 (following SDM v2.3), TMDS, 1 x USB (to display USB hub), UART, I2C, 3.3VSB, 12V

Resolution

EDID/DDC support	Internal SDM interface up to 3840 x 2160 @ 60Hz External Terminal: 3840 x 2160 @ 60Hz
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Electrical

Power Consumption [W]	12V, 1.5A = 18W
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Environmental conditions

Operating Temperature [°C]	0-40
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Mechanical

Net Weight (kg)	1.0
Gross Weight (kg)	1.2
Size / Gross Dimensions (m)	0.175 x 0.100 x 0.020 / 0.325 x 0.245 x 0.075

Additional features

Compatibility	All Sharp and NEC Large Format Displays accepting Intel® Smart Display Module Large
Warranty	3 years warranty, additional services available



For additional pictures and solutions overview, visit www.sharppdisplays.eu for details.