SHARP

# SDM BrightSign Built-In Player

## Intel® Smart Display Module (Intel® SDM)

SDM-BSBI-156

BrightSign Built-In

## Power, flexibility and future-ready performance, without compromises

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.

### Benefits

- **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.
- **CMS Partners** - Widely compatible with leading CMS platforms through open APIs and integration frameworks, enabling flexible content management, remote device control, and seamless deployment across diverse digital signage ecosystems.
- **Soundless & Robust** - Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation.

# Technical Specifications

| | |
|---|---|
| **Order Codes** | |
| SDM BSBI Player XS156 | SDM-BSBI-156 |
| **Player Configuration** | |
| CPU | BrightSign XS6 Series performance |
| Storage | 32GB MicroSD card included |
| 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<br>RJ45: Gigabit<br>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<br>External Terminal: 3840 x 2160 @ 60Hz |
| **ELECTRICAL** | |
| Power Consumption [W] | Continuous: tbd |
| **ENVIRONMENTAL CONDITIONS** | |
| Operating Temperature [°C] | 0-40 |
| **MECHANICAL** | |
| Net Weight [kg] | 1.0 |
| Gross Weight [kg] | 1.2 |
| Size / Gross Dimensions [mm] | 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 | 5 years warranty |

24/7 CERTIFIED OPERATION · 4K UHD · SUPER SILENT · BrightSign Built-In

**For additional pictures and Solutions overview, https://business.sharpusa.com/large-format-displays**

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