ROKU™

BrightSign™ HD2000
High-Definition Solid-State Media Player

Implement with ease.
Message with power.
Operate with confidence.

BrightSign™ HD2000 is a solid-state media player that supports high-definition video, photos, music and interactivity. It brings superior quality high-definition video to mainstream displays with its advanced video engine and professional hardware scaler. It is also easy to use and offers high reliability with no moving parts, making it the ideal solution for in store Point-Of-Purchase displays, museum exhibits, digital signs and interactive kiosks.

Simply insert a removable flash card to display looping playback of high-definition video, image and audio content using playlists. To add basic interactivity with button controls, mice or touch screens, state-based tables can be implemented for a simple approach. For maximum flexibility, Roku offers BrightScript, an easy scripting language designed specifically to enable creative interactive features for a remarkable custom solution.

BrightSign has been designed specifically to control digital signs and kiosks and bring outstanding reliability that other display controllers cannot match. BrightSign's design includes no moving parts, making it a solution that can be operated with confidence.

Applications

- Creative point-of-purchase (POP) displays for retailers and merchandisers
- Educational multimedia exhibits for museums
- Innovative digital signs for advertisers
- Impressive interactive kiosks for corporate trade shows and product presentations

Features

- Offers high-definition MPEG video up to 1080i with a maximum bit rate of 25Mbps for high-impact presentations
- Drives high-definition displays via HDMI, VGA and component video outputs
- Provides ease of use with automatic playback from removable flash memory
- Delivers high reliability with its solid-state design
- Includes playlist support for simple looping playback of video, image and audio content
- Brings flexibility to displays with support for button control, mouse and touch screen interactivity
  - State-based tables provide a simple way to customize interactivity
  - BrightScript offers maximum flexibility with its scripting language specifically designed for controlling digital kiosks using concepts familiar to developers
- Supports industry standard video, image and audio content including MPEG-2, bitmap and MP3 formats
- Provides flexible installation by easily mounting to walls, shelves, cabinets or racks
- Delivers a premier solution at an economical price

BrightScript

Roku BrightScript is a scripting language designed specifically for digital signage and kiosks. It makes creating control logic for interactive applications easy by employing concepts similar to VBScript or JavaScript, which are familiar to developers. BrightScript works with Roku's object library for complete run-time control of BrightSign including video and audio outputs, input sources such as keyboards, buttons, touch screens and much more. Simply put a file on your flash memory card named "autoplay.bas" to have a complete custom script autorun on boot. It also supports timers, wait events, audio controls and video modes including scaling.

Specifications

Display Resolutions
- VGA out: 1366x768 (WXGA), 1280x720, 1024x768 (XGA)
- Component & HDMI out: 480p, 576p@50Hz, 720p@50Hz & 60Hz, 1080i@50 & 60Hz

Video Format Support
- MPEG-1, MPEG-2 up to 1080i (up to 25Mbps bitrate)
- Professional hardware scaler for real time scaling to output resolution

Picture Format Support
- BMP, JPEG and PNG

Audio Format Support
- MP3 decode out to analog, USB and S/PDIF
- WAV decode out to analog, USB and S/PDIF

USB Device Support
- Touch screens
- Speakers
- Mice
- Keyboards
- Trackballs
- Barcode scanners

Physical Specifications
- 14.5" wide x 1.125" high x 6" deep
- Weight = 2 lbs 10 ounces

Front Panel
- IR receiver
- CompactFlash card slot
- SD/MMC flash card slot
- Video mode select button
- Connector activity, Power and Video mode LEDs

Back Panel
- 5V power input at 2.8A
- 3 stereo 1/8" mini plugs for audio output
- VGA video connector
- Triple RCA jacks for component high-definition Y-Pr-Pb output
- HDMI connector
- 2 high speed USB host ports
- 10/100 Ethernet jack
- DB25 Control Port for buttons and LEDs
- RS-232 serial connector
- 1/8" 5V serial port
- Optical SPDIF audio output
- 8 position dip switch

Power Supply
- External 15.6W 5V at 2.8A DC power supply

For more specification information, please refer to the BrightSign HD2000 Hardware Guide found on www.rokulabs.com/brightsign

Availability
Available direct from Roku at:

www.rokulabs.com/brightsign

brightsignsales@rokulabs.com

Package Contents
- BrightSign unit
- Wall mount brackets
- Power adapters for USA/Canada, UK, Europe and Australia outlets
- Installation Guide

Regulatory
- FCC, CE and RoHS compliant
- Power supply safety and system EMC approvals for USA, Canada, EU, Japan and Australia
- Multi-country compatible supply
- External DC power supply typically consumes 10.5W with a max of 15.6W

Warranty
- 1 year, parts and labor

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