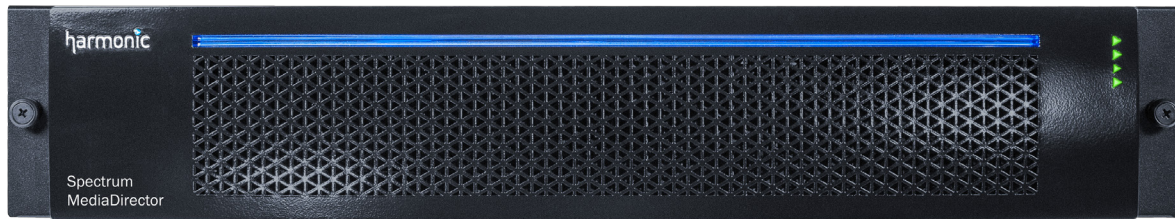


# Spectrum™ MediaDirector 2252B-DS

SYSTEM CONTROLLER



**Spectrum™ MediaDirector 2252B-DS system controllers are the core of Harmonic's Spectrum media server system, actively managing the flow of data to and from Spectrum media I/O modules and MediaStore 5000 storage arrays.**

MediaDirector 2252B-DS provides 18 high-speed media I/O ports and the processing power to support a wide range of configurations and workflows. Its SAS interface provides redundant data paths between the MediaDirector and MediaStores.

MediaDirector can be dedicated to both real-time and IP packet processing. Four MediaDirectors can be linked together for scaling of channels or IP bandwidth – or both. MediaDirectors, individually or grouped, strictly manage overall system bandwidth to ensure uninterrupted real-time operations, even under heavy IP file-transfer loads.

MediaDirector 2252B-DS systems are designed with a real-time Linux OS for fast startup and secure, reliable operation. In the unlikely event of a drive failure in a connected MediaStore storage array, software RAID file system management enables efficient recovery of data.

## Additional Features and Functions

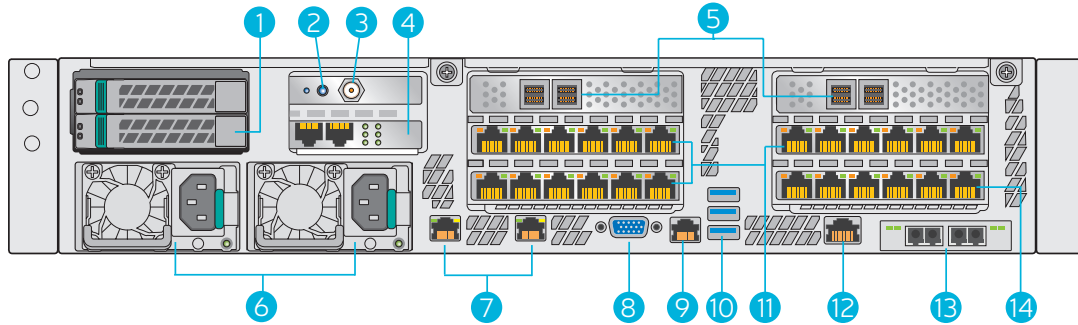
**System Expansion** – A Spectrum system based on the MediaDirector 2252B-DS can be expanded to a maximum of six MediaStore 5000 storage arrays, each containing up to 24 disk drives. Four MediaDirector 2252B-DS units can be connected to the same file system via an Extended File Sharing (EFS) license.

**External Clock Synchronization** – An LTC input on MediaDirector supports a TOD clock.

**Resiliency** – The MediaDirector 2252B-DS supports multiple diagnostic, monitoring and notification features for system resiliency and maximum up time, and may be configured to automatically rebuild protected MediaStore 5000 RAID sets in hot spare configurations.

## HIGHLIGHTS

- Integrates file system, management, communication and all connectivity for Spectrum media server
- 18 high-speed media I/O ports
- Supports multiple diagnostic, monitoring and notification features for Spectrum system resiliency and availability
- Dual redundant 12-Gbps SAS interfaces provide multiple data paths to system storage
- Enables maximum scalability of Spectrum channels and IP bandwidth



- |   |  |  |
|---|--|--|
| 1. Boot drive                                 | 6. Redundant, hot-swappable power supplies   | 11. MediaPort Ethernet array                                       |
| 2. Power button/LED                           | 7. 10-Gb Ethernet ports (for file transfers) | 12. BMC (for Service only)   |
| 3. LTC In connector                           | 8. VGA port (for Service only)               | 13. 10-Gb optical SFP (optional, for file transfers)               |
| 4. 1-Gb Ethernet card (for system management) | 9. RS-232 serial port (for Service only)     | 14. 1-Gb Ethernet card (for EFS private network, license required) |
| 5. Serial-attached SCSI (SAS) connectors      | 10. USB ports (for Service only)             |  |

Rear view of the MediaDirector MCP-2252B-DS chassis

## SPECIFICATIONS

### CONNECTIVITY

SAS	Dual redundant SAS 3.0 connectivity to MediaStore 5000 storage arrays via miniSAS-to-miniSAS cables
Ethernet	NIC Options: Two 10-Gb Ethernet optical SR or copper with RJ45 connectors Base: Two 1-Gb Ethernet ports
EFS I/O	Six 1-Gb Ethernet ports for EFS private network connectivity
High-Speed Media I/O	18 1-Gb Ethernet ports
Reference	Per Spectrum media I/O module Support for multiple timing standards on a single system Reference handled by Spectrum media I/O module independently

### STANDARDS & REGULATIONS

Safety	UL 60950-1 2nd Edition CSA C22.2 Information Technology Equipment - Safety - part 1: General Requirements
CE	Low Voltage Directive (73/23/EEC) including amendments EN60950:1992, A1+A2+A3+A4 Safety of Information Technology Equipment
Electromagnetic Compliance	USA: FCC Part 15 Class A Japan: VCCI Class A Australia, New Zealand, EU: CISPR 22 Class A Taiwan: CNS 13438 Class A Canada: ICES-003 Class A EU: EN55022/EN55024 Class A

### INTEGRATED SERVICES

File Access	FTP, SAMBA, AFP
API	Native player and media API

### INCLUDED ACCESSORIES

Power Cords	Two: 6 ft/1.83 m each
Rack-Mount Hardware Kit	19 in (standard)

### POWER\*

Power Supply	Redundant
Input Voltage Range	100-240 VAC
Line Frequency	50-60 Hz
Consumption	350 W maximum

### SPARES KITS

Part Number	Description
SPR-SPECT-SAS-CABLE-1M-001	1 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-SPECT-SAS-CABLE-2M-001	2 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-SPECT-SAS-CABLE-5M-001	5 m SFF-8644 to SFF-8088 SAS cable for MediaDirector 225xB connection to MediaStore 5000
SPR-PSU-1100-INTEL-001	Power supply, 2 RU
SPR-FAN-2U-INTEL-001	Fan, 2 RU

### PHYSICAL\*

Dimensions (W x H x D)	17.5 in x 3.5 in x 30.75 in (2 RU)/ 44.3 cm x 8.9 cm x 78.1 cm
Weight	43.3 lbs/19.6 kg

### ENVIRONMENTAL

Operating Temperature Range	+41° to 104° F/+5° to 40° C
Operational Relative Humidity	10-80% non-condensing

\*Preliminary specification; subject to change