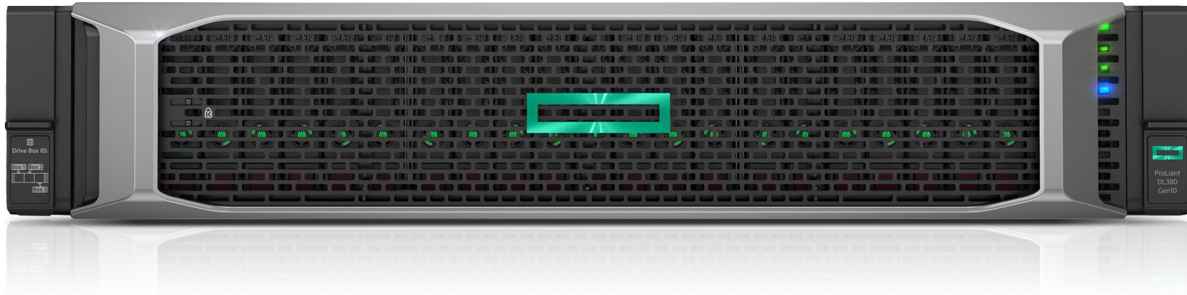


# Spectrum™ MediaCenter 2200C

MEDIA SERVER WITH INTEGRATED STORAGE



**Ideal for moderate (up to 20) channel-count applications, the Spectrum™ MediaCenter 2200C media server from Harmonic provides file system and communication management and storage for video and audio ingest and playout at a compelling price point.**

I/O on the 2-RU MediaCenter 2200C is provided by up to 10 Spectrum X advanced media server systems which provide video/audio interfaces as well as encode and decode for record and playback. Clients have access to FTP, CIFS and AFP file transfer via dual 10-GbE connections. Combined, these capabilities provide network throughput of up to 225 MBps (depending on real-time play/record activity).

Storage options include up to 48 TB of integrated SAS storage, and up to 96 TB of external storage via the Spectrum MediaStore 7200 expansion storage chassis. For workflows requiring maximum storage bandwidth, the SSD storage option provides 15.2TB of usable storage.

## Rock-Solid Reliability

MediaCenter 2200C combines with Spectrum X to deliver advanced integrated playout capabilities. Ultra HD and 3G channel-in-a-box functionality is also supported with Spectrum X, as is SDI and IP I/O to ease the migration to IP workflows. When configured with Spectrum X, the MediaCenter 2200C helps you meet your master control requirements today while allowing for future expansion:

- Disconnection of a Spectrum X media I/O module causes only that unit to stop operating until replaced or reconnected, while no other component in the system is affected.
- Failure of a power supply does not disrupt system operation. A replacement power supply can be hot-swapped while the system is running.
- Failure of a disk drive does not result in loss of content or even a dropped frame.
- Dual redundant SAS connection to MediaStore 7200 expansion storage chassis

The isolation of component failures to minimize overall system impact is a key architectural advantage of the MediaCenter 2200C server. It lowers the risk of a catastrophic failure, since the impact of any one component is limited to only a portion of the system, and failed components can be quickly replaced while the system remains operational.

## HIGHLIGHTS

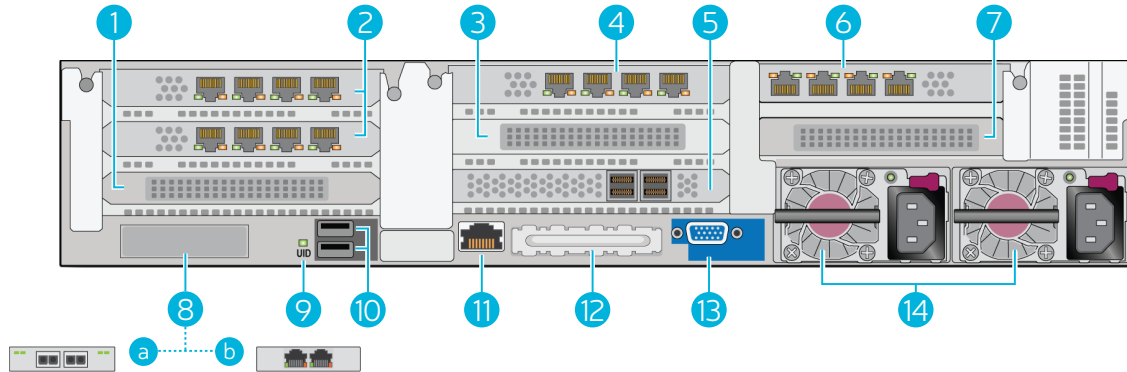
- Compact media server solution for up to 20 channels
- Choice of integrated HDD storage: 16-, 32- or 48-TB usable
- 15.2 TB integrated usable SSD storage for high bandwidth workflows
- Optional external HDD expansion storage, up to 96 TB usable
- Easily add features to support new services, ensuring complete investment protection
- Implement best-of-breed solutions for transmission, studio production, news and sports highlights, and distributed broadcast workflows
- Choose from hundreds of applications, enabled by broad support built around open standards and APIs
- Support for uncompressed IP workflows via SMPTE ST 2110 and 2022-6 I/O

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Rear view of the MediaCenter 2200C chassis



- |  |   |   |
|--|---|---|
| <ol style="list-style-type: none"> <li>1. Filler panel</li> <li>2. 1Gbps connections to Spectrum I/O</li> <li>3. Filler panel</li> <li>4. 1Gbps connections to Spectrum I/O</li> <li>5. Serial-attached SCSI (SAS) connectors</li> <li>6. 1Gbps connections for system management (eth0, eth1, eth2, eth3 in software from left to right)</li> </ol> | <ol style="list-style-type: none"> <li>7. Filler panel</li> <li>8. 10 Gb Eth port options (use for file transfers):<br/>a. Two optical SFP ports<br/>b. Two copper RJ-45 ports</li> <li>9. UID and wink LED (the wink function blinks the UID LED once per second)</li> <li>10. USB connectors</li> </ol> | <ol style="list-style-type: none"> <li>11. Integrated lights-out (iLO) front service port management port</li> <li>12. Filler panel</li> <li>13. VGA connector</li> <li>14. Redundant, hot-swappable power supplies (bay 2, bay 1, from left to right)</li> </ol> |
|--|---|---|

## SPECIFICATIONS

### VIDEO

Video Channels	20 @ 50 Mbps 10 @ 100 Mbps 6 @ 3G I-Frame
Video I/O Connections	Up to 10 dual-channel Spectrum X connections per MediaCenter chassis
Integrated SSD Storage	12 1.9-TB SSD drives, 165.2TB usable in two 4+2 RAID sets (560 hours at 50 Mbps)
Integrated HDD Storage	12 2-TB SAS drives, 16 TB usable in two 4+2 RAID sets (600 hours at 50 Mbps) 12 4-TB SAS drives, 32 TB usable in two 4+2 RAID sets (1,200 hours at 50 Mbps) 12 6-TB SAS drives, 48 TB usable in two 4+2 RAID sets (1,800 hours at 50 Mbps)
Expansion HDD Storage	Spectrum MediaStore 7200
Network	Two 1-GbE ports for system management Two 10-GbE ports for file transfer Access to FTP, CIFS and AFP services
Reference	Per MediaPort or ChannelPort module or Spectrum X SDI I/O card Support for multiple timing standards

### POWER

Power Supplies	Dual, hot-swappable Platinum efficiency
Power Consumption	265W maximum at 20C 350W maximum at 35C

### PHYSICAL

Dimensions (W x H x D)	17.53 in x 3.44 in x 28.75 in 2RU 44.55 cm x 8.74 cm x 73.03 cm
Weight	42 lbs/19.1 kg (without disk drives) 64.5 lbs/29.3 kg (with 12 disk drives)

## ORDERING INFORMATION

Part Number	Description
MCP-2200C-DS-2XC	MediaCenter 2200C with 12x storage drives, copper 10G NIC, and dual SAS connection to MSS-7200 expansion storage
MCP-2200C-DS-2XO	MediaCenter 2200C with 12x storage drives, optical 10G NIC, and dual SAS connection to MSS-7200 expansion storage

## SPARES KITS

Part Number	Description
MCP-2200C-HDD-C2H	12x 2-TB HDDs for MCP-2200C
MCP-2200C-HDD-C4H	12x 4-TB HDDs for MCP-2200C
MCP-2200C-HDD-C6H	12x 6-TB HDDs for MCP-2200C
MCP-2200C-SSD-19S	12x 1.9-TB SSDs for MCP-2200C
SPR-HWR-HPE-800W-PSU-AC	Spare AC PSU for DL360 and DL380 G9 and G10 HP chassis
SPR-HWR-MCP-FAN	Spare fan for the MediaDirector 2252C 2RU HP chassis
HWR-MCP-LTC-CONNECTOR	Required connector for use of SMPTE LTC timecode