Product Overview
The DCX3510-M includes the latest audio and video output, with support for full 1080p60 high-definition output, HDMI™, award-winning Dolby® Digital Plus, and Dolby Volume intelligent multi-channel audio leveling. In addition, the DCX3510-M features an internal 500 GB hard drive, which can be expanded to 1 TB or more using an external disk drive connected to the set-top’s eSATA interface. The DCX3510-M is OpenCable Application Platform (OCAP™)-capable, and compatible with Motorola’s DCT legacy software API set. The DCX3510-M also supports Motorola’s new software enhancements for processing 3D video and graphics in the set-top prior to being delivered to a 3D-compatible television for an exceptional high-quality 3D TV viewing experience.

Multi-Room DVR
The DCX3510-M set-top offers an integrated MoCA® home networking interface, which allows it to serve as a multimedia hub for sharing content with other compatible devices in the home, creating an IP home network. This feature provides consumers ultimate control and flexibility over their media choices, viewing interest, and entertainment lifestyles while providing access to their digital content in any room of their home, any time they want it.

Bandwidth Efficiency Solutions
With support for MPEG-4 video, the DCX3510-M allows operators to use limited bandwidth to provide high-definition programming and high-bandwidth advanced applications. Dual 1 GHz digital video tuners support future plant expansion, enabling operators to increase the number of available channels. The DCX3510-M supports Switched Digital Video (SDV) solutions, which maximize bandwidth by delivering programming only where and when subscribers request it.

Environmental Conscious
In addition to providing industry-leading features and performance, the Motorola DCX3510-M was designed with the environment in mind. The DCX3510-M is 33 percent lighter than previous models, requiring less material in development, and the product bezel is built with 20 percent post-consumer recycled plastic, a significant environmental innovation. The packaging uses 75 percent recycled-content cardboard and is 100 percent recyclable, and is marked with standard recycling codes to help customers identify recycling opportunities.

Remote Diagnostic Capabilities
The DCX3510-M works with Motorola’s SmartStream Terminal Data Collector (STDC) to report set-top status for evaluation and corrective action, enabling operators to isolate and troubleshoot plant issues, improve service quality, and reduce operational costs.

Features
- M-Card™ (Multi-stream CableCARD™) support for Conditional Access
- OpenCable Application Platform (OCAP™)-capable
- Compatible with Motorola DCT/DCH legacy software API set
- Digital Video Recorder (DVR) with dual 1 GHz digital video tuners
- Additional 1 GHz DOCSIS® tuner
- Standard 500 GB hard drive
- Standard MoCA integrated home networking interface
- High-definition (HDTV) decode of MPEG-2 and MPEG-4 AVC (H.264) with 1080p60 HDMI output
- Dolby® Digital and Dolby Digital Plus audio decode
- Dolby Volume intelligent multi-channel audio leveling
DATA SHEET DCX3510-M HD DUAL TUNER DVR SET-TOP

General Specifications

STANDARD INTERFACES
Front Panel
- Power, Message, Data, and Home LAN indicators
- Output video format indicator
- Four-character seven-segment display
- Two recording indicators
- IR receivers (Motorola, XMP-1, and 56K protocols)
- Power button

Rear Panel
- F-connector for cable input
- Integrated MoCA 1.1 Home Networking interface
- Pre-installed M-Card
- HDMI output (up to 1080p60) with auto-lip sync correction
- YPrPb component output
- Baseband composite video output
- LR audio output with volume control
- Optical SPDIF digital audio outputs
- IEEE-1394a interface
- 10/100 Ethernet interface
eSATA interface
- Mini-phone 3.5 mm serial port/External IR input
  (IR extender cable sold separately)
- USB 2.0 Host Type A port

SPECIFICATIONS
RF Input Frequency
- Dual 54 MHz to 1002 MHz (audio/video)
Memory
- 64 MB Flash, 512 MB DRAM
Video
- HDTV decode of MPEG-2, MPEG-4 AVC
Video Format
- NTSC, PALM, PAL-Nc
Video Resolution
- 480/p, 720p, 1080i, and 1080p60 (HDMI only)
Audio
- Dolby Digital, Dolby Digital Plus, Dolby Volume
Graphics
- Up to 32-bit color, accelerated 2D and 3D and scalable video-in-graphics
1 GHz DOCSIS Tuner
- DSG and 2.0+ channel bonding (3 down, 1 up)
Hard Disk Drive
- 500 GB internal
Out-of-Band Modulation
- Frequency agile receiver
- 70 MHz to 130 MHz
Power Supply
- 105 VAC to 125 VAC, 60 Hz input; 12 VDC output
Power Dissipation
- 29 W (depending on features)
Dimensions
- 12.6 in W x 8.75 in D x 2.95 in H
Weight
- 5.5 lb
Operating Temperature
- 15 ºC to 42 ºC (50 ºF to 108 ºF)
Operating Humidity
- 5% to 90% (non-condensing)

More Features
- DOCSIS 2.0+ embedded cable modem with support for DSG and downstream channel bonding
- 3 down, 1 up
- SCTE 55-1/SCTE 55-2 out-of-band
- 64 MB Flash, 512 MB DRAM
- Front panel display
- Remote and on-screen diagnostics
- Switched Digital Video (SDVI)-capable
- Accelerated 2D and 3D graphics

Manufacturing Optional Features
- Wide-range power supply/ regional AC cord

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