Product Overview
The DCX3520e-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 DCX3520e-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 DCX3520e-M is compatible with Motorola’s DCT legacy software API set. The DCX3520e-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 DCX3520e-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 DCX3520e-M allows operators to use limited bandwidth to provide high-definition programming and high-bandwidth advanced applications.

Environmental Conscious
In addition to providing industry-leading features and performance, the Motorola DCX3520e-M was designed with the environment in mind. The DCX3520e-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 DCX3520e-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.
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)
- Power button

Rear Panel
- F-connector for cable input
- Integrated MoCA 1.1 Home Networking Interface
- HDMI output (up to 1080p60) with auto-lip sync correction
- YPbPr component output
- Baseband composite video output
- L/R audio output with volume control
- Optical S/PDIF digital audio outputs
- 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 or 128 MB Flash, 640 or 1024 MB DRAM

Video
- HDTV decode of MPEG-2, MPEG-4 AVC
- NTSC, PALM, PAL-Nc
- 480i/p, 576i/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
- 28 W (depending on features)

Dimensions
- 12.6 in W x 8.75 in D x 2.56 in H

Weight
- 5.5 lb

Operating Temperature
- 15 °C to 42 °C (50 °F to 108 °F)

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 or 128MB Flash, 512 or 1024MB DRAM

Front panel display

Remote and on-screen diagnostics

Switched Digital Video (SDV)–capable

Accelerated 2D and 3D graphics

Manufacturing Optional Features

Wide-range power supply/ regional AC cord