



DCX3300 HD Dual Tuner / External DVR Set-top

- All-Digital • HD MPEG-4 • DVR-Capable via eSATA • MR-DVR Capable

Features

- Embedded MediaCipher™ Conditional Access or MediaCipher CableCARD support (factory build option)
- MR-DVR Capable (Optional MoCA Home Networking Interface)
- tru2way capable
- Compatible with Motorola DCT / DCH legacy software API set
- Dual 1GHz digital video tuners (QAM 64/256)
- One additional tuner for DOCSIS®
- High-definition (HDTV) decode of MPEG-2, MPEG-4 AVC (H.264)
- Audio decode of Dolby Digital, Dolby Digital Plus
- Dolby Volume
- SCTE 55-1 / SCTE 55-2 Out-of-band
- Accelerated 2-D and 3-D graphics

As competition in the video service industry continues to increase, cable operators require advanced technologies for delivering a superior digital viewing experience and exciting new applications. Motorola has developed a sophisticated all-digital solution with the DCX series, the next generation of Host set-tops. The DCX set-tops are loaded with features for improving bandwidth efficiency, providing high-definition video with surround sound audio, while bringing on-demand and interactive services to a connected home environment.

The Motorola DCX3300 is an all-digital High-Definition (HD) Dual Tuner set-top that is DVR-capable via an external eSATA hard drive. The DCX3300 is designed in a new **low-profile enclosure** with a **full-featured front panel display**. The DCX3300 supports MPEG-2 and MPEG-4 AVC video and Dolby® Digital Plus audio. When configured with the optional MoCA® home networking interface, the DCX3300-M can serve as a multimedia hub for accessing content with other compatible devices in the home. The DCX3300 is compatible with Motorola DCT legacy software API set and is tru2way® capable.

Multi-Room DVR

With the optional MoCA Home Networking component, the DCX3300-M provides the flexibility to not only watch your favorite programs on your schedule, but also choose the room in your home where you would like to view your programs. The DCX3300-M serves as a multimedia server/client for sharing content with other compatible devices throughout the home.

Bandwidth Efficiency Solutions

The DCX3300 fully supports growing consumer demand for high-definition programming and high bandwidth advanced applications. The DCX3300 provides new methods of efficiently, and cost effectively, utilizing limited bandwidth for delivering these services through support of MPEG-4 decode technologies. For example, the DCX3300 is capable of decoding MPEG-4 video streams, requiring

significantly less bandwidth than MPEG-2 to deliver comparable quality video services. It also supports Switched Digital Video (SDV) solutions, allowing service providers to maximize the use of their available bandwidth by delivering programming only to nodes where and when subscribers actively request that particular program.

Remote Diagnostic Capabilities

The DCX3300 utilizes Motorola's SmartStream Terminal Data Collector (STDC) service for remotely gathering important set-top status and health information in a centralized server for evaluation and corrective action. STDC provides operators with the ability to isolate and troubleshoot plant issues, improve service quality, and reduce operation costs.

DATA SHEET

DCX3300 HD Dual Tuner / External DVR Set-top

STANDARD INTERFACES

Front Panel

Power, Message, Data, and Home LAN indicators
Output video format indicator
4-character 7-segment display
2 Recording indicators
IR receiver (with GI and XMP-1 protocol auto-detection)
USB 2.0 Host Type A port
Power button

Rear Panel

F-connector for Cable input
HDMI 1.3 output (1080p24/30)
YPbPr component output (1080i)
Baseband composite video output
L/R audio output w/volume control
Optical S/PDIF digital audio outputs
USB 2.0 Host Type A port
IEEE-1394a interface (M-Card / U.S. model only)
10/100 Ethernet interface
eSATA interface
Mini-phone 3.5mm serial port / External IR input (IR extender cable sold separately)

MANUFACTURING OPTIONAL FEATURES

512MB DRAM (Upgrade from 256MB) 64MB Flash
Integrated MoCA Home Networking interface (DCX3300-M)
Pre-installed M-Card, or
Embedded MediaCipher Conditional Access (DCX3300e)
Wide-range power supply / regional AC cord

SPECIFICATIONS

RF Input Frequency:	Dual 54 to 1002 MHz (video and audio)
Memory:	64MB Flash; 256MB DRAM
Video:	HDTV decode of MPEG-2, MPEG-4 AVC, (VC-1 capable)
Video Format:	NTSC, PAL-M, PAL-Nc
Video Resolution:	480i/p 576i/p, 720p, 1080i and 1080p24/30 (HDMI only)
Audio:	Dolby Digital, Dolby Digital Plus, (HE-AAC, WMA9, MP3 capable)
Graphics:	Up to 32-bit color, accelerated 2-D and 3-D and scalable video-in-graphics
1GHz DOCSIS	DSG and 2.0+ Channel Bonding
Tuner:	(3 down, 1 up)
RF Return:	SCTE 55-1 / SCTE 55-2 OOB
OOB Modulation	Frequency Agile receiver 70 to 130 MHz
QPSK:	Bandwidth 2.0 MHz maximum Level -15 to 15 dBmV
Power Supply:	Internal high-efficiency power supply
AC Voltage:	105 to 125 VAC, 60 Hz (Wide-range supply optional)
Weight:	6 lbs
Power Dissipation:	26W (Non-MoCA, estimated / depends on features)
Dimensions:	15.0 in W x 9.0 in D x 2.2 in H
Operating Temp.:	15° C to 40° C (50° F to 104° F)
Operating Humidity:	5 to 90% (non-condensing)

ACCESSORIES

Please visit www.motorola.com/settopaccessories to learn about Motorola's set-top accessories:

- Compatible eSATA Hard Drives
- IR Extender Cables
- Remote Control

All features, functionality, and other product specifications are subject to change without notice or obligation.



MOTOROLA

DOLBY
DIGITAL PLUS

DOLBY
VOLUME

HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

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