



# DCX700 All-Digital HD Set-top

## MPEG-4 Capable, MR-DVR Capable, Wall-Mountable

### Features

Embedded MediaCipher™ Conditional Access or MediaCipher™ Cable Card support (pre-installed at factory)

Compatible with Motorola DCT / DCH legacy software API set

Single 1GHz digital video tuner (QAM 64/256)

High-definition (HDTV) decode of MPEG-2, MPEG-4 AVC (H.264), VC-1

Audio decode of Dolby® Digital, Dolby® Digital Plus, AAC-LC / HE-AAC, WMA9, MP3

Optional MoCA® home-networking interface

SCTE 55-1 / SCTE 55-2 Out-of-band

Video scaling (Picture-in-Graphics)

Accelerated 2-D and 3-D graphics

64 MB Flash (standard), 256 MB DRAM total (standard)

IR Remote Sensor (IR remote tether sold separately)

Remote and On screen diagnostics

Switched Digital Video capable

Macrovision®, HDCP, DTCP, and CGMS-A content protection schemes on the respective interfaces

Front Panel LED displays for Power, Data, and Record (MoCA® only)

Small footprint, elegant wall mounted profile

Serial port and External IR input are combined one 3.5 mm connector

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 and providing high-definition video with surround sound audio, while bringing on-demand and interactive services to a connected home environment.

The Motorola DCX700 is a cost-effective, High-Definition (HD) set-top with a single 1 GHz tuner that supports both MPEG-2 and MPEG-4 AVC services. The all-digital DCX700 includes the latest audio and video output interfaces, including HDMI™ and Dolby® Digital Plus. When configured with the optional MoCA® home networking interface, the DCX700-M can serve as a multimedia client for accessing content from other compatible devices in the home.

With the optional MoCA® Home Networking component, the DCX700-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 DCX700-M serves as a multimedia client that can access and playback recorded programs from a separate MoCA®-enabled DVR set-top within the home over the existing coaxial cabling

## SPECIFICATION SHEET

### DCX700

#### STANDARD INTERFACES

##### Front Panel

Power indicators (Power, Data, and Record)

IR remote control sensor

USB 2.0 Host Type A port Connector

##### Rear Panel

F-connector for Cable input

HDMI™ output

YPbPr component output

Baseband composite video output

L/R audio output – fixed line level

Optical S/PDIF digital audio outputs

USB 2.0 Host Type A port

1394a interface

3.5mm Serial port

3.5mm External IR input

#### MANUFACTURING OPTIONAL FEATURES

DCX700-M with MoCA® 1.1 home networking interface

Pre-installed M-Card or embedded MediaCipher™ Conditional Access

#### SPECIFICATIONS

RF Input Frequency:	54 to 1002 MHz (video and audio)
Memory:	64MB Flash 256 MB DRAM standard unified Legacy Platform Supported
Video:	Up to 32-bit color, accelerated 2-D and 3-D support, and scalable video-in-graphics
Processor:	MIPS, RISC-based
Graphics Resolution:	SD Outputs – 4:3 up to 720x480 HD Outputs – 16:9 up to 1920x1080
Video Resolution:	480i, 480p, 576i/p, 720p, 1080i and 1080p 24/30 (HDMI™ only) Supports NTSC / PAL-M / PAL-Nc
Operating Temperature	10 °C to 42 °C (50 °F to 108 °F)
Operating Humidity	5 to 90% (non-condensing)
AC Voltage	105 to 125 VAC, 60 Hz
Power Dissipation	20 W
OOB Modulation QPSK:	Frequency Agile receiver 70 to 130 MHz Bandwidth 2.0 MHz maximum Level –15 to 15 dBmV
Digital Input Level	64 QAM, –15 to 15 dBmV 256 QAM, –12 to 15 dBmV
Dimensions	10 in W x 5.6 in D x 1.6 in H (25.4 cm x 14.2 cm x 4.0 cm)
Weight	1.5 lbs (0.68 kg)

Certain features may not be activated by your service provider, and/or their network settings may limit the feature's functionality. Additionally, certain features may require a subscription. Contact your service provider for details.

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



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