The Motorola DCT6412 set-top combines the extraordinary features of digital cable—the seemingly endless programming options, electronic program guides (EPG), Video on Demand (VOD), and commercial-free, CD-quality music—with dual-tuner digital video recording (DVR) and the incredible picture quality and sound of your high-definition television (HDTV). The DCT6412 set-top offers advanced capabilities including a high-end microprocessor, expanded memory, enhanced graphics, and a full range of audio/visual connections. The DCT6412's large memory capacity and fast processor allow you to navigate with ease and convenience through graphics-rich menu and guide screens.

The DCT6412 set-top includes a direct digital connection to audio and video devices through IEEE 1394-DTV and DVI interfaces.

**FEATURES**

- Initiates, authorizes, and facilitates the purchase of on-demand programming services
- Decodes high-definition video from a digital cable source
- Outputs HDTV in multiple video modes (aspect ratios and screen resolutions)
- Enables high-quality video and surround-sound audio
- Includes a 120 GB factory-installed hard disk drive
- Provides dual-tuner DVR functionality to pause and time-shift live video
- Built-in DOCSIS® cable modem for future IP services
- IEEE 1394 and DVI digital outputs

**BENEFITS**

- Record hours of standard digital TV and high-definition TV content on the integrated 120 GB hard drive
- Maintain a personal library of recorded programming, that you can access using the interactive program guide (IPG)

Simultaneously:

- Watch two programs and easily switch between them using the remote control
- Record one program while viewing another program
- Record two programs at the same time even while watching another recorded program
- Watch a program recorded on your DCT6412 set-top while recording two other programs at the same time

Check with your local cable service provider for availability of the DCT6412 in your area.
## STANDARD FEATURES
- Advanced digital set-top that supports HDTV, Dolby® 5.1, and DVR services
- Dual video tuners for watch-and-record DVR services
- Built-in dual MPEG analog encoder
- MPEG-2 digital video processor
- Robust processor, memory, and 3D graphics to run IPG, VOD, and advanced applications
- Integrated high-definition decoder with YPbPr component output
- Full range of interfaces including YPBPR, DVI, 1394, USB, Ethernet, SPDIF, and SmartCard
- PCM, AC-3, Dolby® 5.1 Prologic® digital audio capability
- ITU standard 64/256 QAM/FEC/enhanced adaptive equalizer
- DOCSIS® 1.0 / 1.1 capable integrated cable modem
- Three 54–860 MHz tuners (two video, one data)
- Frequency-agile 2.048 Mbps out-of-band data receiver
- 32-bit, 2D/3D graphics
- MIPS, RISC-based processor
- Analog/digital video scaling (Picture in Graphics)
- 16 MB Flash, 128 MB DRAM standard unified memory
- Clear analog channel processor with BTSC decoder
- DES-based encryption/DCII access control
- Digital diagnostics
- Macrovision® copy protection
- Full feature access from front panel

## STANDARD INTERFACES
- DVI and 1394 (DTV) digital interfaces
- Optical and electrical SPDIF/Dolby® Digital connectors
- S-video output
- RF and baseband output (video, L/R audio) ports
- Front and rear panel L/R audio and video inputs
- Two USB connectors (one on front panel)
- 10/100Base-T Ethernet port (RJ45 connector)
- SmartCard interface connector (e-commerce)
- TVPASS™ renewable security connector
- IR Blaster port
- 4-digit, 7-segment LED display with IR receiver for remote or/and keyboard
- Switched accessory outlet

## GENERAL SPECIFICATIONS
- Dimensions: 17.13 W x 12.75 H x 2.75 D
- Weight: 11.5 lbs

## ACCESSORIES
- DRC800 universal remote control (sold separately)

To view our full line of Connected Home Solutions, visit our Web site at broadband.motorola.com/consumers

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