



DCT6412 Dual-Tuner DVR High-Definition Set-top

High-definition television plus powerful interactive entertainment services.

The DCT6412 set-top combines high-definition television with dual-tuner digital video recording to let you watch and record two programs at once.

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.

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.

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

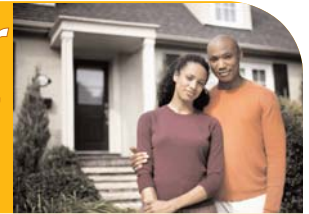
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Technical Specifications

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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