

DCT6400 Series Phase III

Dual-Tuner DVR High-Definition Set-tops



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The Motorola DCT6400 Series Phase III set-tops combine the extraordinary features of digital cable – the seemingly endless programming options, interactive program guides (IPG), Video on Demand (VOD) and the commercial-free CD quality music – with dual-tuner digital video recording (DVR) for watch-and-record capability as well as the incredible picture quality of your high-definition television (HDTV).

The DCT6400 Series Phase III set-tops offer advanced capabilities, including a high-end, high performance microprocessor, expanded memory, enhanced graphics and a full range of audio and visual inputs/outputs.

The DCT6400 Series Phase III set-top is fully equipped with an integrated hard drive for hours of DVR functionality, including the ability to:

- Pause and time shift live TV programming
- Record hours of standard digital TV and high-definition TV programming
- Maintain a personal library of recorded programming, accessed through the IPG
- Watch what you want, when you want!
 - Watch and record selected programs
 - Schedule multiple recordings through the IPG
 - Watch two (2) programs and easily switch between them using the remote control
 - Record one (1) program while watching another program
 - Record two (2) programs at the same time
 - Watch a recorded program while recording two (2) other programs

Combines numerous programming options, interactive program guides, high-quality video and audio services with dual-tuner DVR and HDTV capabilities.

The DCT6400 Series Phase III set-top features:

- Supports Standard Definition Television (SDTV), Enhanced Definition Television (EDTV), and High Definition Television (HDTV),
- Dolby Digital, Prologic and stereo audio
- Digital Video Recording services
- Supports VOD programming
- High performance integrated MPEG-2 digital encoder
- Dual channel 3D comb filters for state-of-the-art color and resolution
- Motion compensating temporal filter (MCTF) video noise reduction
- Motion adaptive de-interlacing for high quality analog channel output
- USB 2.0 ports
- HDMI digital audio / video interface (replaces DVI)
- a SATA connector for additional DVR capacity with an external hard drive
- a built-in DOCSIS 2.0 cable modem for high-speed connections
- a full range of industry standard outputs for video, audio and data applications
- Switched accessory AC outlet



The DCT6400 Series Phase III set-top features (cont.):

- SmartCard interface
- On-screen diagnostics
- Full feature access from front-panel
- Support for Macrovision copy protection
- DES-based encryption
- DigiCipher II access control
- Out-of-band (OOB) data receiver
- Support for pass-through of VBI data services (closed caption, V-chip and CGMS-A)
- Clear analog channel processor with dual BTSC decoders
- IR Blaster port
- HD Picture-in-Picture capable

SPECIFICATIONS

- **RF Input frequency range** 54 to 864 MHz
- **DOCSIS 1.0 / 1.1 / 2.0 capable integrated cable modem**
- **Memory:**
 - 16 MB Flash, factory expandable to 32 MB
 - 128 MB DRAM standard unified, factory expandable to 256 MB
- **Audio/Video Outputs:**
 - HDMI, IEEE 1394, Component Video (Y Pb Pr), S-Video, Composite video, Remodulated RF (optional), Left/right baseband, Optical SPDIF, Coaxial SPDIF
- **Audio/Video Inputs:**
 - Composite video, Left/right baseband audio (front/rear panel)
- **Data Connections:**
 - USB 2.0 (front/rear panel), Ethernet 10/100 Base-T, SATA interface
- **Up to 32 bit color, 2-D / 3-D support and scaleable video-in-graphics**
- **MIPS, RISC-based processor**
- **Resolution**
 - Graphics
 - SD outputs 4:3 up to 720 x 480
 - HD outputs 16:9 up to 1920 x 1080
 - Video 480i, 480p, 720p, 1080i
- **Operating Temperature** 15 degrees to 42 degrees C (32 to 108 F)
- **Operating Humidity** 5% to 90% (non-condensing)

- **AC voltage** 95 to 135, 57 to 63 Hz
- **Power dissipation** 48-55 Watt AC depending on active features
- **OOB Modulation** QPSK
 - Frequency Agile receiver 70 – 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
- **Analog Input Level** 0 to +15 dBmV

General Specifications:

- **Dimensions** 17.13 w x 13.13* d x 2.75 h
- **Weight** 12 lbs.
- **Hard Disk Drive**
 - DCT6412 120GB
 - DCT6416 160GB

Accessories:

- **DRC800 Universal Remote Control (sold separately)**

*Includes standard module on back of set-top
 Specifications are subject to change without notice.

