

## KEY FEATURES

Supports standard-definition (SDTV), enhanced-definition (EDTV), and high-definition (HDTV) television

Motion-compensating temporal filter (MCTF) video noise reduction

Motion-adaptive de-interlacing for high-quality analog channel output

Out-of-band (OOB) data receiver

Built-in DOCSIS cable modem for high-speed connections

IR Blaster port

HD Picture-in-Picture capable

On-screen diagnostics

Dolby® Digital, Pro Logic, and stereo audio

Digital Video Recording (DVR)

Video On Demand (VOD) programming

Macrovision copy protection

DES-based encryption

DigiCipher II access control

Pass-through of VBI data services (closed caption, V-chip, and CGMS-A)

Dual-channel 3D comb filters for state-of-the-art color and resolution

Full range of industry-standard connectors for video, audio, and data applications:

- USB 2.0
- HDMI digital audio/video interface (replaces DVI)
- SATA connector (provides additional DVR capacity with an external hard drive)

## BENEFITS

Pause and time-shift live TV programming

Record hours of SDTV and HDTV programming

Maintain a personal library of recorded SDTV and HDTV programming accessed through the IPG

Watch what you want, when you want:

- Schedule multiple recordings through the IPG
- Watch two programs at once and easily switch between them
- Record one program while watching another
- Record two programs at the same time
- Watch a recorded program while recording two others



The Motorola DCT3400 Series all-digital set-tops combine the extraordinary features of digital cable—the seemingly endless programming options, interactive program guides (IPG), Video on Demand (VOD), and commercial-free CD-quality music—with dual-tuner all-digital video recording (DVR) for watch-and-record capability, as well as the incredible picture quality of high-definition television (HDTV).

The DCT3400 Series all-digital 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 and outputs, offering service providers a quick and cost-effective way of realizing the benefits of an all-digital network. Benefits include increased bandwidth for HD and VOD content, on-demand information and entertainment services, and content encryption to reduce theft of video services.

The DCT3400 Series set-tops are designed for use as an all-digital platform. They do not support tuning analog channels on the cable plant.

# DCT3400 Series

## All-Digital Dual-Tuner DVR High-Definition Set-Tops

## SPECIFICATIONS

<b>RF Input frequency (video &amp; audio)</b>	54 to 864 MHz
<b>DOCSIS 1.0 /1.1/2.0-capable integrated cable modem</b>	
<b>Memory</b>	16 MB Flash, factory expandable to 32 MB 128 MB DRAM standard unified, factory expandable to 256 MB
<b>Audio/Video Outputs</b>	HDMI, IEEE 1394, component video (Y Pb Pr), S-video, composite video, remodulated RF (optional), left/right baseband, optical SPDIF, coaxial SPDIF
<b>Data Connections</b>	USB 2.0 (front/rear panel), Ethernet 10/100 Base-T, SATA interface
<b>Up to 32-bit color, 2D/3D support, and scaleable video-in-graphics</b>	
<b>MIPS, RISC-based processor</b>	
<b>Graphics Resolution</b>	
SD outputs	4:3 up to 720 x 480
HD outputs	16:9 up to 1920 x 1080
<b>Video Resolution</b>	480i, 480p, 720p, 1080i
<b>Operating Temperature</b>	15 to 42 °C (32 to 108 °F)
<b>Operating Humidity</b>	5% to 90% (non-condensing)
<b>AC Voltage</b>	95 to 135 VAC, 57 to 63 Hz
<b>Power Dissipation</b>	48 to 55 W AC, depending on active features
<b>OOB Modulation</b>	QPSK
Frequency	Agile receiver 70 to 130 MHz
Bandwidth	2.0 MHz maximum
Level	-15 to +15 dBmV
<b>Digital Input Level</b>	
64 QAM	-15 to +15 dBmV
256 QAM	-12 to +15 dBmV

## GENERAL SPECIFICATIONS

<b>Dimensions</b>	17.13 in w x 10.75 in d x 2.75 in h
<b>Weight</b>	12 lbs.
<b>Hard Disk Drive</b>	
DCT3412	120 GB
DCT3416	160 GB
<b>Accessories</b>	
DRC800 Universal Remote Control (sold separately)	

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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