DCT2500
Digital Set-top

The latest interactive digital cable set-top for standard-definition TV.

Motorola's DCT2500 is a full-featured digital set-top providing a wide array of capabilities and ease of use.

The Motorola DCT2500 is a digital cable set-top that offers enhanced features and capabilities. It provides state-of-the-art digital compression technology, which means increased "bandwidth" for more channels and services like high-definition TV (HDTV) and Video on Demand (VOD), as well as support for Internet, Electronic Program Guide (EPG), Pay-Per-View, e-mail, home shopping, and more.

Platform versatility means that the Motorola DCT2500 will continue providing growing services and increased viewing capabilities. Its technology significantly boosts channel capability while delivering digital audio and video quality to TV viewing.

Check with your local cable service provider for availability of the DCT2500 in your area.

HIGHLIGHTS

- Open architecture supports downloaded third-party software applications when offered through service providers

- Video image resizing for adjusting to different screen and window sizes

- High-resolution on-screen graphics

- Enhanced memory for faster switching between menu screens and digital channels

- Advanced security via Motorola DC-II conditional access and Harmony keeps Internet hackers from gaining access to your TV set-top

- Motion picture industry standard for coding and decoding video (MPEG-2)

- AC-3 standard for 5.1 Dolby® Digital Surround Sound

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Technical Specifications

FEATURES

175 MHz MIPS 32 CPU with 8 K instruction and 8 K data caches

High-speed, unified memory design with support for up to 64 MB of DDR SDRAM

64 PID filters individually assignable to in-band or out-of-band streams

Video decoder with enhanced VBI data processing capability

Analog/digital video scaling (picture in graphics)

High-resolution graphics with support for multiple planes as well as current DCT2000 modes

MPEG-2 Digital Video Processor

ATSC standard Dolby Digital (AC-3) audio processor

ITU standard 64/256 QAM/FEC/enhanced adaptive equalizer

On-board real-time RF return (256 Kbps)

Clear Analog Channel Processor with BTSC Decoder

54–860 MHz tuner

DES-based encryption/DCII access control

Digital diagnostics

Frequency-agile 2.048 Mbps out-of-band data receiver

Macrovision copy protection

Wide screen (16 x 9) video support

Full feature access from front panel

Switched accessory outlet

OPTIONAL FEATURES

IR Blaster connection (remote control sensor extender)

RF bypass or A/B switch

Telephone modem (14.4 bps)

S-Video output

USB 1.1

Universal remote (DRC450)

Keyboard

STANDARD INTERFACES

Dolby® 5.1 digital audio output

RF and baseband output (video, L/R audio) ports

IR Blaster port

TVPASS® renewable security connector

High-/low-speed data output (27 and 2 Mbps)

RS-232 serial port

4-digit, 7-segment LED display with IR receiver for remote and/or keyboard

GENERAL SPECIFICATION

Width x Height x Depth	17.13 x 13.25 x 2.75
Weight	8.6 lbs

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

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