

DCT6200 Series Advanced HD Set-tops



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The new Motorola DCT6200 series supports operators' plans to deliver a powerful combination of interactive and entertainment services, such as personal video recording (PVR), high-definition television (HDTV), and other processing intensive applications, to their cable customers.

The DCT6200 is the next generation of Motorola's popular DCT5100 platform enhanced with an 800 MIPS internal processor - an upgrade of over 150 percent. Additionally, the Motorola DCT6200 includes an "Entertainment Package," which enables a direct digital connection to consumer audio and video devices via 1394-DTV and DVI interfaces.

The DCT6200 offers additional capability through an expanded memory footprint in combination with the high-performance processor and 3-D graphics designed to run advanced, interactive applications - including games, home connectivity, streaming media, t-commerce, and middleware. Supporting future IP and video-based interactivity, the DCT6200 series includes an integrated, high-speed DOCSIS cable modem.

The DCT6200 offers a range of standard digital and analog interfaces, which facilitate consumer

DCT6200 - Advanced Set-Top with HD

DCT6208 - DCT6200 plus 80 GB PVR

interaction in multiple DTV and IP interface configurations. The DCT6200 includes an MPEG encoder, making the set-top "PVR-capable" with the addition of an external 1394 hard disk drive. These enhancements provide an even more compelling, easy-to-use, HDTV and PVR experience for the cable customer.

DCT6208

Personal Video Recording (PVR) and High-Definition TV (HDTV) - in one easy-to-use set-top! The Motorola DCT6208 offers time-conscious customers on-demand viewing control combined with HDTV support. Motorola's DCT6208 comes **fully equipped with an integrated 80 GB hard-drive** for hours of PVR functionality including the capability of **recording high definition** programs. In addition to the built-in hard drive storage capacity it features a 1394 Firewire digital interface to enable external hard-drive expansion for increased storage or connection to future networked video devices.



DESCRIPTION

- Advanced Digital Set-Top terminal which supports HDTV and Dolby 5.1 services
- Digital decode of HD video / audio content
- Robust CPU (800 MIPS), memory footprint, 3D graphics to run EPG, VOD, advanced applications and middleware
- Built in DOCSIS modem for high speed interactivity
- Full range of interfaces including YPbPr, DVI, 1394, USB, Ethernet, SPDIF, and Smartcard.
- Internal 80 GB hard drive with DCT6208

FEATURES

Standard Features

- MPEG-2 Digital Video Processor
- Integrated High Definition decoder with YPbPr component output
- DVI and dual 1394(DTV) digital connectors
- Built-in MPEG analog encoder
- 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
- Two 54-860 MHz Tuners
- Frequency agile 2.048Mbps out-of-band data receiver
- 800 MIPS, RISC-based microprocessor
- 32 bit, 2-D / 3-D graphics
- Analog/digital video scaling (Picture in Graphics)
- 16 MB Flash, 64 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

Optional Features

- A/B switch
- RF Bypass
- Expansion DRAM (up to 128 MB via field upgrade)
- Expansion FLASH (up to 32 MB, factory installed)
- Universal remote (DRC450)

Standard Interfaces

- YPbPr component output
- 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
- Three USB connectors (one on front panel)
- 10/100 Base-T Ethernet Port (RJ45 Connector)
- Smart Card 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

PVR Capacity

- DCT6208 - 80 GB integrated, factory installed hard drive
- Scalable drive capacity available

The product features set forth above are subject to change by Motorola Inc.
DCT6200 Rev_1, May 22, 2003

