

Satisfy the needs of today and tomorrow with an integrated HDTV set-top

The Motorola DCT5100 empowers operators to meet subscribers' high-definition technology needs both today and tomorrow — with one integrated High-Definition (HD) set-top. With its triple-tuner architecture for “watch, talk, ‘n’ surf” capabilities, Motorola’s DCT5100 is the next generation in set-tops. It fully supports the decode and processing of HDTV content without requiring a digital sidcar unit. It also features an integrated high-speed DOCSIS cable modem, high-performance processor, 3-D graphics, and is fully scalable to run the advanced, interactive applications and middleware of tomorrow.

Applications such as games,

home connectivity,
streaming media
and t-commerce
can be enabled

via a simple
software download

to this enhanced hardware

platform. Motorola’s DCT5100

features a robust CPU and expanded memory
footprint, and a platform that supports future

IP-and video-based interactivity.



► Highlights

- Integrated High Definition (HD) decode capabilities
- Advanced convergence platform for video, audio and high-speed data services
- Built-in DOCSIS cable modem for high-speed interactivity
- Powerful, high-end microprocessor and graphics hardware
- Large memory footprint, expandable to 160 MB to run the most advanced operating platforms
- Open architecture supports a variety of downloadable third-party software platforms and applications
- Full array of audio, video and data interfaces
- Enables e-commerce, t-commerce, streaming media, PPV, IPPV, VOD, Internet browsing, e-mail, telephony, home networking and much more



MOTOROLA
intelligence everywhere™

MODEL DCT5100 SPECIFICATIONS

► Standard Features

- MPEG-2 digital video processor
- Integrated High Definition (HD) decoder with YP_BP_R component output
- ATSC standard Dolby® (AC-3) audio processor
- 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 2.048 Mbps out-of-band data receiver
- 300+ 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
- PCM, AC-3, Dolby 5.1 Prologic Digital audio capability
- IDE hard-drive controller interface
- Digital diagnostics
- Macrovision copy protection
- Full-feature access from front panel
- Switched accessory outlet

► Standard Interfaces

- RF and baseband output (video, L/R audio) ports
- Three USB connectors (one on front panel)
- 10/100Base-T Ethernet port (RJ-45 connector)
- Smart Card interface connector (e-commerce)
- YP_BP_R component output
- Front and rear panel L/R audio and video inputs
- S-video output
- Optical and electrical SPDIF/Dolby Digital connectors
- TVPASS renewable security connector
- IR Blaster port
- Audio loop through connectivity
- 4 digit, 7 segment LED display with IR receiver for remote and/or keyboard

► Optional Features

- 1394 Firewire digital interface (dual connector interface)
- DVI connector
- Expansion DRAM (up to 128 MB)
- Expansion FLASH (up to 32 MB)
- HPNA interface
- RF Bypass or A/B switch

► Accessories

- Universal remote (DRC400)
- Keyboard

