

## Motorola's most popular interactive digital set-top terminal boasts a wide array of capabilities, ease of use and affordability.

Motorola, the world's leading supplier of addressable systems, now offers the next generation of addressable set-top converters.

The DCT1000/1200 uses state-of-the-art digital technology to provide a wealth of new generating services to the cable industry. In addition to providing digital quality audio and video, the DCT1000/1200 can be configured to support real-time reverse communications providing the user with a gateway to interactive services such as VOD, Internet

access, electronic commerce, and more. The

advanced features of the DCT provide a

host of new services

with an unparalleled level of flexibility and control. In addition, the DCT line employs the latest in Motorola's world leading access control and encryption technology to ensure the maximum level of system security.



- State-of-the-art Audio and Video Compatibility
  - MPEG-2 video decoder
  - Capable of displaying wide screen aspect ratio for "movie like" video display
  - Dolby® digital audio
- Two-way Communications
  - May be configured with either a STARVUE® II RF return, or a STARFONE® telephone return modem
  - Provides options to choose the communications methods that best supports current and future system designs
- Backward Compatible
  - Clear analog processing standard in all DCTs
  - Analog descrambling module (optional) allows full backward compatibility
- Upgradeable
  - DCT architecture supports software downloads for continuing improvements in DCT functionality
  - Application Interface Port (AIP) protects network investment by providing a mechanism to upgrade the DCT to incorporate future capabilities and services
  - TV Pass™ renewable security system



# FEATURES

## FEATURES

### ➤ Application Features

- 768 kB DRAM for application data
- 512 kB total NVRAM for application code downloads
- 4 bit graphics capability (352 x 480)
- Macrovision anti-copy protection
- GI operating system and open API set

### ➤ Network Features

- 54-860 MHz tuner
- 64 QAM modulation in DCT1000
  - 28 Mbps/6 MHz channel
- 64 & 256 QAM modulation supported in DCT1200
  - 256 QAM expands channel capacity to 38.8 Mbps/6 MHz channel
- Messaging capabilities
- DES based encryption
- Clear analog processing
- 2.048 Mbps out-of-bound data receiver
- Configured for 2-way communication with either:
  - Starvue II® RF return path modem (ALOHA protocol, 256 kbps upstream)
  - OR-
  - Starfone II® telephone modem

### ➤ Optional Features

- Analog descrambling
- BTSC stereo decoding for analog programs
- High-power tethered IR blaster module
- RF bypass switch
- A/B switch
- Serial data connector

# INTERFACES

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### ➤ Standard Interfaces

- RF, baseband output ports
- Low power IR blaster ports
- Internal application interface port
- High (27 Mbps) and low (2.048 Mbps) speed data output ports



**MOTOROLA**