FACT SHEET – Motorola Broadband Digital Video Devices at NCTA 2004

Motorola Broadband digital entertainment devices are designed to simplify access to the latest digital entertainment services. These products leverage the company's 50-year heritage and technical leadership in building innovative consumer electronics devices – making the benefits of that experience directly available to consumers.

The company's accomplishments in making entertainment accessible to consumers include: designing and building the technology for the first pay-per-view event (1957); creating the first specification for HDTV (1990); the first commercial deployment of digital cable (1996); and introducing the first digital set-top to integrate HD (high-definition) and DVR (digital video recording) capabilities (2003).

Further, with over one million HD units shipped as of April 1, 2004, Motorola's digital set-top platform is the recognized leader for enabling operators to deliver high-definition services to subscribers.

At **NCTA 2004 (2-5 May, N. Morial Convention Center, Booth #3323)**, Motorola will showcase products that redefine the home entertainment experience. These new digital devices provide a simple way for consumers to enjoy broadband video in the comfort of their homes.

Motorola's complete set of consumer premises equipment complements the company's solutions for broadcasters and network operators. Together, these offerings create a fully integrated platform for the delivery and enjoyment of digital entertainment, with secure, compatible offerings at every point along the broadband chain.

Motorola Core Interactive Set-Tops

Motorola DCT700

The **Motorola DCT700** interactive digital set-top includes a state-of-the-art processor capable of supporting interactive services, an MPEG-2 digital video processor, a real-time return path for services such as VOD, ATSC standard Dolby Digital (AC-3) audio processing, and Musicam audio support. Additionally, the set-top is completely compatible with the Motorola MediaCipher® conditional access system, and includes an ITU standard 64/256 QAM. The sleek, compact industrial design includes two front-panel LEDs (messaging and power), an IR receiver, and back-panel outputs for RF (remod. Channel 3, 4) and baseband video and audio outputs.

Motorola DCT2500

The **Motorola DCT2500** is an evolution of Motorola's DCT2000 interactive digital set-top – the most widely deployed digital platform in the world. The enhanced-interactive DCT2500 offers increased memory, added processing power, scaled video, and vertical blanking interval (VBI) data extraction. The DCT2500 digital set-top enable network operators to provide digital cable subscribers with improved graphics, guide enhancements, and increased performance.

Motorola Advanced Interactive Set-Tops

Motorola DCT6200
The DCT6200 is Motorola's high-definition set-top platform, incorporating a high-end microprocessor, advanced graphics, and a large memory footprint. 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.

Motorola Integrated HDTV and DVR Set-Top Solutions

Motorola DCT6400 Series
The new **Motorola DCT6400** advanced set-top extends Motorola's leading digital entertainment platform by adding dual-tuner DVR capabilities – enabling consumers to watch live HD content from one source, while recording HD content from another. With its integrated hard drive, the **Motorola DCT6412** set-top enables users to record standard digital television as well as HDTV programming.

Motorola DCT6208
The **Motorola DCT6208,** which when announced in May 2003, was the cable industry's first fully-integrated solution for single-tuner HDTV, DVR, and advanced interactive features.

Motorola Broadband Media Center
The **Motorola Broadband Media Center (BMC)** platform with the Moxi service is part of Motorola's "connected home" strategy, which provides fully integrated combinations of compelling features and functions to enhance a consumer's broadband experience. With the Motorola BMC family of gateways, MSOs will be able to offer features such as dual-tuner DVR, HDTV, DVD, video-on-demand (VOD) and pay-per-view (PPV) through one integrated gateway with one consistent interface. AT NCTA 2004, Motorola is demonstrating two BMC models: the **Motorola BMC9012**, for single-screen support, and the **Motorola BMC9022**, which supports "whole home" applications.

Motorola VIP1000 IP Set-Top

The **Motorola VIP1000** is a small form factor, easy to operate IP set-top that decodes standard-definition (SD), MPEG-4 AVC (H.264) and MPEG-2 video. The VIP1000 has enough processing power and memory to run a browser, enabling an enhanced program guide (EPG), video-on-demand (VOD), and some additional applications. The VIP1000 offers dual USB connectors, composite video output, left/right baseband audio outputs and a 10/100 BaseT Ethernet interface.

The VIP1200 offers the same functionality as the VIP1000 but adds more memory and has the capability of decoding and displaying High Definition (HD) content through component video (YPbPr) and multi-channel audio (SPDIF) outputs. The set-top also includes a component digital output interface.

Motorola - Agile TV Voice Recognition

This innovative plug-and-play technology enables broadband operators to offer consumers a way to control their digital services by voice commands - with no complicated set-up or the need for training. Consumers can "talk" to their TV through a remote which incorporates a microphone. By just spoken commands, they can navigate digital programming, the IPG and on-demand services using phrases like "scan sports" or "find movies with Julia Roberts". From a consumer's perspective, the solution only requires a small receiver which attaches to the cable set-top to receive signals from the enhanced remote. The technology, which recognizes over 100,000 phrases and deciphers multiple languages, has been field tested in an alpha deployment on the Motorola DCT2000 digital set-top platform.

Home Media Architecture

Motorola has extended the functionality of its industry-leading digital set-top platform with the introduction of the **Motorola Home Media Architecture (HMA)**. Providing cost effective hardware and software solutions, HMA enables operators to provide multi-room DVR and media distribution functionality to their subscribers. The HMA allows consumers to enjoy access to stored media on connected devices throughout the home. Using Multimedia over Coax Alliance (MoCA)-based IP-over-coaxial technology, the HMA enables "whole-home" networking over existing coaxial wiring. As a result, the Motorola HMA can bring DVR functionality to core and advanced digital set-tops already in the home.

Motorola has developed a highly scaleable and extensible Home Media Architecture. It enables operators to deploy a basic multi-room DVR solution starting in 4Q04 by leveraging legacy digital set-tops and currently deployed Interactive Program Guides (IPG) / Video On Demand (VOD) set-top applications and provides a growth path to enable advanced

services and capabilities utilizing market-leading middleware technology from Ucentric, a provider of home media networking software.

Basic multi-room DVR allows for recorded content on a DCT6208 or the DCT6400 Series set-top to be accessed from any HMA enabled DCT digital set-top. Current program guides and application suites are utilized to provide an easily deployed solution for access of DVR content throughout the home.

Motorola HD Receiver Family

Motorola HDT101 High-Definition Off-Air Television Receiver
The **Motorola HDT101** is part of Motorola Broadband's line of high-definition home entertainment products. The HDT101 is a high-definition off-air television receiver that converts incoming digital television signals to match any television. On HD standard digital-ready television sets, the HDT101 decodes high-definition signals for a sharper picture and movie-quality sound. On standard-definition sets, the HDT101 converts digital signals to analog allowing consumers to view that content using their current television set. Features include:

- A user-friendly onscreen menu
- Digital closed captions
- Video scaling
- Parental controls

The HDT101 delivers high-quality sound through Dolby® Digital 5.1 surround sound decoding and digital audio pass-through to a home entertainment system. It requires a 75-Ohm UHF indoor or outdoor antenna.

Motorola HDT300 High-Definition Digital Cable-Ready Receiver
The **Motorola HDT300** includes all the features of the HDT101 while adding an integrated digital cable-ready receiver. Since the device is compatible with the FCC's "Plug-and-Play" standards through the use of a CableCARD™ (supplied by a cable service provider), consumers will be able to connect the HDT300 to any cable service provider in the United States starting on 1 July 2004 when the new standards go into effect.

Motorola HDT500R High-Definition Digital Cable-Ready Receiver with Digital Video Recorder
The **Motorola HDT500R** includes all the features of the HDT300 and adds digital video recording (DVR) capabilities with a 160GB hard drive for recording favorite programs. Motorola brought the first digital set-top to integrate HD and DVR to cable operators in 2003.

Motorola DCP601 Digital Video Home Entertainment System with DVD Player

The **Motorola DCP601** is a 6.1 channel audio/video processor that combines HD decoding and digital cable functionality into a home theater system. Part of Motorola's Digital Convergence Platform (DCP) family of home theater systems, the Motorola DCP601 integrates a top-quality audio/video processor; a progressive scan DVD player which can up-convert for higher resolutions on HDTV monitors; AM/FM stereo receiver; HD decoding capabilities and an digital cable-ready receiver -- all into one unit offering high functionality with plug-and-play convenience.

Motorola DVB-Compliant Set-Tops

Motorola DVi705 with Motive DVB Platform

The Motorola DVi705 Digital Video Broadcasting (DVB) digital terminal platform was specially designed for systems that need to deliver secure video and broadcast services over DVB-compliant CATV networks cost effectively. The DVi705 decodes standard MPEG-2 transport streams. In addition, it is designed to support different Conditional Access Systems

The Motorola DVi705 set-top is engineered and manufactured using highly integrated component and software technologies to minimize operational field costs and increase reliability. Features include a standard Smart Card interface, external universal power supply, and a 100+ MIPS processor.

Motorola DVi3000 Digital Cable With Multimedia Home Platform

The Motorola DVi3000 with Multimedia Home Platform (MHP) is a DVB-compliant core interactive digital-cable platform that supports real-time reverse-path communications providing a gateway to interactive services such as video-on-demand (VOD), thin-client TV-based Internet, and electronic program guides (EPGs). The secure and scalable MHP platform enables the development of applications executable on multiple terminal device types, regardless of their architecture. Based on Java™ technology, MHP allows cable, satellite, and terrestrial operators in the European and Asian markets to benefit from greater flexibility in deploying interactive applications.

Other features include higher memory footprint, increased processing capability as well as DVB-compliant conditional access, including MediaCipher CA and an optional Smart Card interface for third-party CA.

Motorola Universal Remote Control

The **Motorola DRC800** is a full-featured, universal remote control designed for the Motorola DCT family of interactive digital set-tops. Able to control up to four consumer electronic devices, the DRC800 supports

advanced features such as Digital Video Recording (DVR), High Definition (HD), and Picture-in-Picture (PiP). The remote supports various commercially deployed Electronic Program Guides (EPG), as well as popular features like on-screen menus, favorite channels, last channel recall, program information, help, and time-controlled programming. A newly expanded code library provides control of even more peripheral components including most TVs, VCRs, DVD/CD players, Digital Video Recorders (DVR), audio receivers, amplifiers, audio tuners, home theaters, TV/DVD combos, and TV/VCR combos.

About Motorola Broadband Communications Sector
The Motorola Broadband Communications Sector provides a scalable, integrated end-to-end system for the delivery of broadband services that keeps consumers informed, entertained and connected. Its technology enables network operators and retailers to create and execute on new business opportunities by providing innovative products and services to the home. Customer-responsive design and manufacturing expertise further contribute to the company's position as the world's leading supplier of digital cable set-tops and cable modems. For more information about the Motorola Broadband Communications Sector, visit www.motorola.com/broadband.

About Motorola
Motorola, Inc. (NYSE: MOT) is a global leader in wireless, broadband and automotive communications technologies that help make life smarter, safer, simpler, synchronized and fun. Sales in 2003 were US $27.1 billion. Motorola creates innovative technological solutions that benefit people at home, at work and on the move. The company also is a progressive corporate citizen dedicated to operating ethically, protecting the environment and supporting the communities in which it does business. For more information: www.motorola.com

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