

DCH6416

Analog/Digital, HDTV, Dual-Tuner DVR, M-Card™ Host Set-top

SPECIFICATION SHEET



FEATURES

M-Card (Multi-stream CableCARD) Host support for conditional access

OpenCable Application Platform (OCAP™)-capable

Digital Video Recording (DVR) with support for dual recording and watch-and-record functionality

160 GB hard drive with shock mounting and fan

Compatible with Motorola DCT legacy APIs

Standard-definition (SD), enhanced-definition (ED), and high-definition (HD) MPEG-2 video support with output scaled to 480i, 480p, 720p, or 1080i

Dual 54 to 864 MHz video tuners

Digital video (64 QAM/256 QAM)

Analog video (NTSC)

Video scaling (Picture-in-Graphics)

Picture-in-Picture

Accelerated graphics

Motion-compensating temporal filter video noise reduction

Motion-adaptive de-interlacing

Dual-channel 3-D comb filters for state-of-the-art color and resolution

Dual MPEG-2 encoders for analog content

Dolby™ Digital 5.1 and PCM audio

16 MB Flash (standard)

128 MB DRAM total (standard)

DOCSIS® 2.0 cable modem with support for DSG

RF out-of-band (OOB) data transmitter/receiver

On-screen diagnostics

Macrovision™, HDCP, 5C DTCP, and CGMS-A content protection schemes on the respective interfaces

Full-featured front panel display and controls



The Motorola DCH6416 analog/digital HD DVR Host set-top provides a full set of SDTV, HDTV, and data features and interfaces. In addition to high-definition digital video, the DCH6416 provides superior analog picture quality with dual-channel 3-D comb filters and motion-compensating noise reduction. The DCH6416 supports a wide range of current and future interactive applications running on Motorola's existing DCT legacy APIs or OpenCable Application Platform (OCAP).