



# MOTOROLA DCH70

ALL-DIGITAL, SDTV, M-CARD™ HOST SET-TOP

## FEATURES

- M-Card (Multi-stream CableCARD) Host support for conditional access
- Compatible with Motorola DCT legacy APIs
- Single 54 to 864 MHz video tuner
- Digital video (64QAM/256 QAM)
- SCTE 55-1 out-of-band (OOB) data transmitter/receiver On-screen diagnostics
- MPEG-2 digital standard-definition (SD) video processor
- Video scaling (Picture-in-Graphics)
- Accelerated graphics
- 8 MB Flash
- 32 MB DRAM total
- Macrovision™ copy protection



## PRODUCT SPECIFICATIONS

### STANDARD INTERFACES

#### Front Panel

Power On and Message LEDs

IR remote control sensor

#### Rear Panel

F-Connector for cable input

M-Card slot

RF remod output (Ch 3/4)

Baseband composite video output

L/R audio output

Mini-phone serial port

### GENERAL

#### RF Input Frequency

54 To 864 MHz

#### Memory

8 MB Flash, 32 MB DRAM standard unified

#### Video

Up to 32-bit color, accelerated 2D support, and scalable video-in-graphics

#### Processor

MIPS, RISC-based

#### Graphics Resolution

SD outputs 4:3 up to 720x480

HD outputs 16:9 up to 1920x1080



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## TECHNICAL SPECIFICATIONS

### GENERAL CONT.

#### Graphics Resolution

SD Outputs 4:3 up to 720x480

Video Resolution 480i

Operating Temperature 50 °F to 108 °F (15 °C to 42 °C)

Operating Humidity 5 to 90% (non-condensing)

AC Voltage 105 to 125 VAC, 60 Hz (external power supply)

Power Dissipation 15 W AC

OOB Modulation QPSK

Frequency Agile receiver 70 to 130 MHz

Bandwidth 2.0 MHz maximum

Level -15 to 15 dBmV

#### Digital Input Level

64 QAM -15 to 15 dBmV

256 QAM -12 to 15 dBmV

Dimensions 2.18 x 11.22 x 7.11 in. (H x W x D)

Weight 3.0 lbs.