

DCH70

All-Digital, SDTV, M-Card™ Host Set-top

SPECIFICATION SHEET



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 (64 QAM/256 QAM)

MPEG-2 digital standard-definition (SD) video processor

Video scaling (Picture-in-Graphics)

Accelerated graphics

8 MB Flash

32 MB DRAM total

SCTE 55-1 out-of-band (OOB) data transmitter/receiver

On-screen diagnostics

Macrovision™ copy protection



The Motorola DCH70 all-digital Host set-top provides a full set of standard-definition television (SDTV) features and interfaces. The DCH70 supports a wide range of current and future interactive applications running on Motorola's existing DCT legacy APIs.

STANDARD INTERFACES

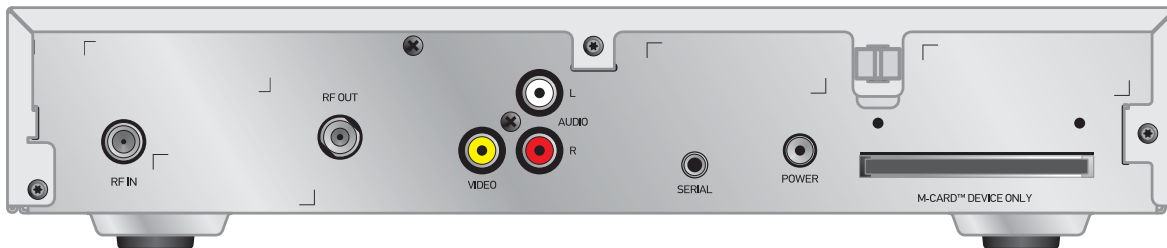
Front Panel	Power On and Message LEDs, IR remote control sensor
Rear Panel	F-connector for cable input, M-Card slot, RF remod output (Ch 3/4), baseband composite video output, L/R audio output, mini-phone serial port

SPECIFICATIONS

RF Input Frequency (video and audio)	54 to 864 MHz
Memory	8 MB Flash; 32 MB DRAM standard unified
Video	Up to 32-bit color, accelerated 2-D support, and scalable video-in-graphics
Processor	MIPS, RISC-based
Graphics Resolution	
SD Outputs	4:3 up to 720x480
Video Resolution	480i
Operating Temperature	15 °C to 42 °C (50 °F to 108 °F)
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	11.22 in W x 7.11 in D x 2.18 in H (28.50 cm x 18.01 cm x 5.54 cm)
Weight	3.0 lb (1.4 kg)

Certain features may not be activated by your service provider, and/or their network settings may limit the feature's functionality. Additionally, certain features may require a subscription. Contact your service provider for details.

All features, functionality, and other product specifications are subject to change without notice or obligation.



Motorola, Inc. 101 Tournament Drive, Horsham, Pennsylvania 19044 U.S.A.
www.motorola.com

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. Macrovision is a registered trademark of the Macrovision Corporation. M-Card is a trademark of Cable Television Laboratories, Inc. All other product or service names are the property of their respective owners. © Motorola, Inc. 2007. All rights reserved.

540542-001-b

5774 - 0707 - 0K