

DVR530 HD

Digital Satellite Receiver

with Integrated HDTV Decoder and DVR



The Motorola DVR530 HD combines a full-featured digital receiver for Star Choice satellite service with an advanced high-definition television (HDTV) decoder and digital video recording (DVR) functionality. It delivers dazzling high-definition programming, an easy-to-use menu, and advanced interactive capabilities. In addition to the standard audio and video ports, the DVR530 HD includes component high-definition and digital video interfaces. The DVR530 HD also includes a hard disk drive that allows users to record programs for later viewing as well as pause and resume live programming.

The DVR530 HD's enhanced viewer menu system contains an onscreen program guide that provides extensive program information to help viewers plan ahead. Future upgrades to the guide can be downloaded via satellite. The easy-to-use menu system is conveniently integrated in the remote control.

Supplementing the DVR530 HD's extensive feature set is a full-access front panel that allows for quick setup and installation.

The Motorola DVR530 HD combines HDTV and a 160 GB DVR to deliver dazzling programming and convenient interactive features.

BENEFITS

- **Simple navigation**

Offering viewers the ability to surf through channels or view program listings by type, the enhanced interactive guide makes it easier to search channels, times, and programs.

- **Picture-in-Guide**

Viewers can scroll through channel listings to see what else is on while simultaneously watching the current program.

- **Enhanced parental controls**

Parents can lock rated programming with a password, preventing children from viewing inappropriate content.

- **Upgradeable**

Future improvements can be downloaded via satellite. MPEG-4 support can be upgraded in the field through a customer-installable module.



SPECIFICATIONS

L-Band Input (x2)

Frequency	950 to 2150 MHz
Impedance	75 Ω
Input level	-65 dBm to -25 dBm
Return loss	8 dB minimum
Demodulator	8PSK/QPSK

ATSC 8 VSB Input (optional)

Frequency	54 to 806 MHz
Impedance	75 Ω
Input level	-80 dBm to -10 dBm
Return loss	3 dB minimum

S-Video Output

Standard	NTSC
Return Loss (Y and C)	20 dB minimum DC to 6 MHz
Luminance (Y)	$\pm 15\%$ 1.0 Vpp into 75 Ω
Chrominance (C)	$\pm 15\%$ 286 mV pp into 75 Ω
Connector	4-contact, Mini-Din, Black

Component Video Output

Standard	EIA-770.2 (480p), EIA-770.3 (720p, 1080i)
Impedance	75 Ω unbalanced
Y Signal Level	$\pm 10\%$ 1 V p-p (including sync)
PbPr Signal Level	$\pm 10\%$ 700 mV p-p
Connector	3 RCA Phono, female

DVI Output

Standard	DVI Spec rev 1.0
Connector	DVI-D

Stereo Audio

Modes	Digital baseband stereo; fixed volume output to TV only
Frequency response	± 1.0 dB maximum, 20 Hz to 20 kHz

Composite Video

Output level	$\pm 10\%$ 1.0 V p-p into 75 Ω
Connector	Yellow phono, marked Video Out
Frequency response	± 1.0 dB, 1 kHz to 4.2 MHz
Differential gain	5.0% pp maximum
Differential phase	5.0 deg. pp maximum
S/N	57 dB minimum (unified weighting 100 kHz HPF, 5 MHz LPF)

Optical Digital Audio

Power output	0.032 mw maximum
Wave length	± 30 nm to 660 nm typ.
Cable length	3 m maximum (not provided)

Hard Disk Drive

Capacity	160 GB
Speed	5400 rpm

RF Output

Connector	F-type receptacle, "Out to TV" NTSC & IEC
Impedance	75 Ω
Channel	Channel 3 or 4 (NTSC, North America)
Audio	Mono

Physical/Environmental

Temperature	0° C to 40° C ambient
Humidity	95% relative
Dimensions	17" W x 2.5" H x 11" D
Weight	10 lbs
Power input	$\pm 10\%$ 115 V AC; 60 Hz nominal; 60 W maximum
UL/CSA	Listed



Specifications are subject to change without notice.

MGBI

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