

Digital TV Set Top Box



- MDR-200 is a digital TV terrestrial receiver that receives digital TV(ATSC) and analog TV(NTSC) broadcasting signal and converts it to the signal for various display device.
- Receiving HDTV and SDTV programs, MDR-200 displays broadcasting program on an HDTV ready monitor or a conventional SD display monitor
- MDR-200 provides the crisp RGB/YPbPr video output and fabulous 5.1 channel Dolby Digital audio output.
- MDR-200 provides IEEE 1394 digital interface for digital storage media such as D-VHS and A/V HDD.
- MDR-200 receives external A/V input such as component, S-Video, composite video and analog stereo audio.
- Using 3-D comb filter, picture quality for analog TV is greatly enhanced.
- Electronic program guide, On-screen menu display, and IR remote controlling capabilities of MDR-200 make you enjoy the advantage of digital technology.

Main Features

- Fully Compliant with ATSC digital television standard
- Receives 8VSB terrestrial broadcasting signal and conventional NTSC broadcasting signal.
- HDTV (MPEG-2 MP@HL) and SDTV(MPEG-2 MP@ML) video decoding
- 5.1-channel Dolby Digital audio decoding
- Supports Dolby Pro Logic decoding & downmix
- External A/V input
 - Component, S-Video or Composite video(SD)
 - Analog stereo (2 channel) audio
- Video output
 - HD : Component YPbPr or RGB
 - SD : Component YPbPr, S-Video or Composite
- Audio output
 - Analog : 2 channel stereo
 - Digital : S/PDIF (5.1 channel Dolby Digital or 2-channel PCM)
- IEEE 1394 Digital Interface
- Enhanced picture quality of analog TV using 3-D Comb Filter
- Automatic channel scan and PSIP update
- Parental channel locking
- Favorite channel selection
- Audio language selection
- Easy-to-use GUI(Graphical User Interface)
- IR remote controller user interface

Specifications

Antenna Input

Input Frequency	54 MHz ~ 860 MHz (VSB)
Antenna Impedance	75 Ohms
Connector Type	IEC 169-2, Female, F type (VSB)
Symbol Rate	10.76 MS/s (VSB)

Demultiplexer

Stream Format	MPEG-2 Transport Stream
Data rates	Max. 40 Mbps
PID	Controls up to 32 PID

Video

Algorithm	HDTV : MPEG-2 Main Profile @ High Level SDTV : MPEG-2 Main Profile @ Main Level
Decoding Format	All of ATSC digital TV standards
Display Format	HD : 1920x1080i, 1280x720p SD : 720x480p, 720x480i

Audio

Mode	Dolby AC-3, PCM
Sampling Rate	32, 44.1, and 48kHz
Frequency Response	20Hz ~20kHz, <+/-2 dB 60Hz ~18kHz, <+/-0.5 dB

A/V Input

Video Input Signal	Composite, S-video, Component
Video Connector	1 x RCA(composite), Mini-Din(S-video), 3 x RCA
Audio Input Signal	Analog 2 Channels(L, R)
Audio Connector	2 x RCA

A/V Output

Video Input Signal	Composite, S-video, Component
Video Connector	HD : 3 x RCA(component), DSUB-15(RGB) SD : 1 x RCA (composite), Mini-DIN (S-video)
Video Sync	3 x RCA(Tri/bi-level sync on Y separate H&V)
Audio Output Signal	Analog : 2 channels(L, R) Digital : S/PDIF (5.1-Ch. Dolby Digital or 2-Ch. PCM)
Audio Connector	Analog : 2 x RCA Digital: Optical and Coaxial

Function

Free-to Air	Yes
Multi-Lingual	Yes
Screen size	16:9 / 4:3
On Screen Display	Yes
Channel Memory	Max. 256
Firmware Download	RS232-C Port

Memory

Flash Memory	2Mbytes
DRAM	4Mbytes
EEPROM	32Kbytes

Power

Power	AC 110 ~ 220V, 50/60Hz
Power Consumption	24W
Standby Power Consumption	< 5W
Protection	Separate internal fuse

Environmental Condition

Operating Temperature	0°C ~ +45°C
Storage Temperature	-10°C ~ +50°C
Operating Humidity	10% ~ 85% Non-condensed
Storage Humidity	5% ~ 90% Non-condensed
Weight	2.5 Kg
	360 X 265 X 60 (WxDxH, mm)

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