



# Innovation

your life Style & Quality

## Digital HD Receiver **HD-300T**

- Supports MPEG-2, MPEG-4, H.264 and fully DVB compliant.
- Terrestrial combo receiver.
- 2 Slots common interface for Viaccess, Irdeto, Cryptoworks, Nagravision, Conax, Mediaguard and etc.
- 1 Slot smart card.
- Aspect ratio adjustment 4:3 (16/9 crop), 4:3 (16/9 letterbox), 16:9 (4/3 pillar box).
- User friendly OSD and operation.
- Total 5,000 Channels Programmable.
- Multi-language audio support  
Multi-language menu text support.
- Favorite channel selections.
- Parental Guide and rating control.
- EPG(Provider Electronic Program Guide) for On Screen Channel Information.
- On-Screen Display with 16 bit Color.
- Zoom Function in Pause.
- Dolby Digital Bitstream Out through S/PDIF(Optical & Coaxial).
- Seletable output for 1080i, 720P, 576P and 576i format.
- Multiple Video Outputs "HDMI, Component(YPbPr), SCART(RGB, CVBS)".
- USB 2.0 Host (Access to HDD, USB memory, Others etc).
- Upgrade Software & Update Channel Database through USB 2.0 Port.

**mvision**

## Digital HD Receiver

# HD-300T

## SPECIFICATIONS

### I. Conditional Access Interface

SMART CARD	1 Slot ISO 7816, GSM11.11 and EMV (payment systems)compatibility
PCMCIA	2 Slot DVB Common Interface Standard [Viaccess, Irdeto, NagraVision, Conax, Cryptoworks, AlpaCryp...]

### II. Tuner & Channel(DVB-T)

Type	IEC60169-2[VHF/UHF] female, 75 ohm nominal
Frequency Range	VHF: 170MHz to 230MHz UHF: 470MHz to 862MHz
Signal Level	-78.5dBm ~ -25dBm [64QAM, Code Rate 2/3, Guard Interval 1/8, Gaussian Channel]
COFDM Spectrum	COFDM 2K/8K-Carrier
FEC Mode	1/2, 2/3, 3/4, 5/6, 7/8

### III. System & Memory

Main Processor	STi7100
Flash Memory	8 Mbytes
System Memory	128 Mbytes
A/V Memory	64 Mbytes
Channel Capacity	Digital Channel: 5,000
Front	7-Keys, 7-SEGMENT DISPLAY

### IV. MPEG Transport Stream & A/V Decoding

Transport Stream	13818-1 MPEG-2, H.264/AVC Transport stream Specification
Profile Level	MPEG-2 MP@ML, MP@HL, MPEG-4 H.264/AVC
Input Rate	Max. 90Mbit/s
Aspect Ratio	4:3, 16:9, Letter Box
Frame Rate	25Hz for PAL, 30Hz for NTSC
Video Resolution	576i, 576p, 720p, 1080i
Teletext	Through VBI
Audio Decoding	MPEG-1 Layer 1 & 2, Dolby Downmix
Audio Mode	Single Channel/Dual Channel Joint Stereo/Stereo
Frequency Response	20~20kHz, $\pm$ 2dB 60Hz ~ 18kHz $\pm$ 0.5dB
Sampling Rate	32, 44.1, 48KHz

### V. A/V & Date In/Out

HDMI	HD Video/Audio Output
TV SCART Output	RGB, CVBS, L, R Output with Volume control
VCR Scart In/Out	RGB, CVBS, L, R In / CVBS, L, R Out
RCA Output	- CVBS, L, R Output(Yellow, White, Red Jack) with Volume Control - Component Video(YPbPr) Out
SPDIF	Dolby Digital Bitstream Out(Coaxial, Optical)
Data Interface	- RS-232, Bit Rate: 115,200baud Connector: 9-pin D-sub Male type - USB : USB 2.0, Type A Connector, 1Port

### VI. Power Supply

Input Voltage	AC 90V ~ 250V, 50Hz ~ 60Hz
Power Consumption	Max 40W
Standby Power Consumption	$\leq$ 10W
Protection	Separate Internal Fuse The input shall the lightning protection

### VII. Physical Specification

Size(WxHxD)	290mm x 50mm x220mm
Weight	1.5 KG

### VIII. Environmental Condition

Operating Temperature	0 °C ~ 40 °C
Storage Temperature	-10 °C ~ 50 °C
Operating Humidity Range	10~85% RH, Non-condensing
Storage Humidity Range	5~90% RH, Non-condensing