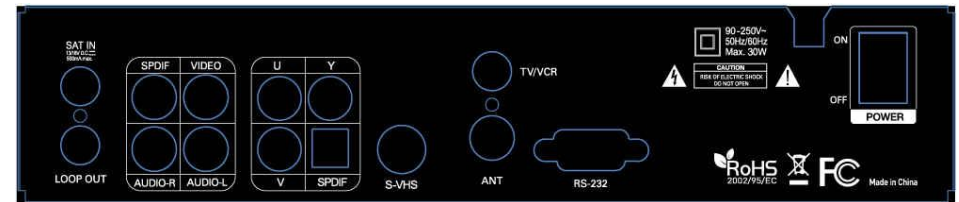


## < CNX-Nano Features >

- *MPEG-II Digital & Fully DVB Compliant.*
- *Smart Card Reader(Optional)*
- *C/KU band control for each antenna*
- *LNB Tone Switch 22KHz mode on/off'*
- *Multi-LNB controlled by DiSeqC =>DiSeqC 1.0, 1.2 and USALS'*
- *Total 5,000 Channels Programmable*
- *Blind Scan*
- *Picture In Graphic (PIG)*
- *Electronic Program Guide (EPG) for On Screen Channel Information*
- *Multi-language supported for Menu and OSD*
- *Zoom Function by 2x.....4x*
- *Parental Lock*
- *Closed Caption Support*
- *Dolby Digital Bitstream Out through S/PDIF*
- *CVBS Video & Audio Output via RCA*
- *Component YUV Output via RCA*
- *S-Video Output*
- *Upgrade Software & Update Channel Database through USB Port and RS232*

- *MP3/JPEG File Play via USB Port*
- *7-Segment(4-digit) Type of Front Panel Display*



# < CNX-Nano Specifications >

## 1. Conditional Access Interface

- SMART CARD(Optional) 1 Slot:  
ISO 7816, GSM11.11 and EMV (payment systems) compatibility

## 2. Tuner & Channel

- Type 1 × F Type, IEC169-24, Female
- Frequency Range 950MHz to 2150MHz
- RF Impedance 75 Ohm unbalanced
- Signal Level -65 to -25 dBm
- LNB Power 13.5/18.5Vdc +/- 5%, 0.5Amax, Overload Protected
- 22KHz Tone Frequency : 22KHz +/- 2KHz, 0.6Vpp +/- 0.2V
- DiSEqC Control Version1.0, 1.2, Tone burst A/B
- Demodulation QPSK
- Input Symbol Rate 2~45 Ms/s, SCPC/MCPC
- FEC Decoder Convolution Code Rate 1/2, 2/3, 3/4, 5/6 and 7/8  
With Constraint Length K = 7

## 4. System & Memory

- Main Processor 32-bit ARM946 RISC Processor
- Flash Memory 2 Mbytes
- System Memory 32 Mbytes
- Channel Capacity Digital Channel: 5,000
- Front 7-segment Display (4 digit)

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

- Transport Stream MPEG-2 ISO/IEC 13818 Transport Stream Specification
- Profile Level MPEG-2 [MP@ML](#)
- Input Rate Max. 90Mbit/s
- Aspect Ratio 4:3, 16:9, Letter Box
- Frame Rate 25Hz for PAL, 30Hz for NTSC
- Video Resolution 720x576(PAL), 720x480(NTSC)
- Teletext Through VBI
- Audio Decoding MPEG/MusiCam Layer I & II
- Audio Mode Single Channel/Dual Channel Joint Stereo/Stereo
- Frequency Response 20~20kHz, <+/-2dB  
60Hz ~ 18kHz <+/- 0.5dB
- Sampling Rate 32, 44.1, 48KHz

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

- RCA Output CVBS, L, R Output(Yellow, White, Red Jack) with Volume
- ControlComponent Video(YUV) Out 4 Pin Mini
- S-VHS Output Dolby Digital Bitstream Out(Coaxial, Optical)
- SPDIF - RS-232, Bit Rate: 115,200baud
- Data Interface - Connector: 9-pin D-sub Male type  
- USB : Type A Connector

## 7. RF Modulator

- RF-Connector 75 ohm F-Type
- Frequency Range VHF CH3, CH4
- TV Standard NTSC
- Audio Output Mono with Volume Control

## 8. Power Supply

- Input Voltage AC 90V ~ 250V, 50Hz ~ 60Hz
- Power Consumption Max 30W
- Standby Power Consumption <= 10W
- Protection Separate Internal Fuse  
The input shall the lighting protection

## 9. Physical Specification

- Size(WxHxD) 260mm x 50mm x205mm
- Weight 1.4 KG

## 10. 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