

Product Manual

- ◆ Model: GCR-K303
- ◆ Type: DVB-C/MPEG-2

Main Feature:

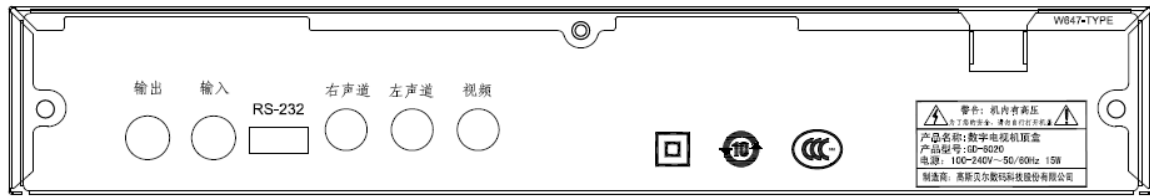
- ✓ Full compliance with DVB-C digital TV reception standards
- ✓ Fully compliant with MPEG-2 and AVS standards
- ✓ Safety in line with GB / T8898 second-class equipment in the relevant requirements
- ✓ The main chip uses the core company's GX3001Q chip, which chip has a high degree of integration of outstanding processing power and powerful peripherals and so on
- ✓ This chip uses a single CPU, clocked at up to 300MHz
- ✓ Support various mainstream CAS condition receiving system
- ✓ Support PC serial port upgrade and stream upgrade online
- ✓ NIT table automatic search function and manual search function
- ✓ Powerful program management capabilities to support parental lock control
- ✓ Support standard EPG function
- ✓ PAL / NTSC auto / coercion
- ✓ Choice of English menu, friendly user interface Diverse menu operations, menu prompts, transparency, brightness, language
- ✓ A 2D graphics acceleration engine, you can design a beautiful animation interface effects
- ✓ Can directly view the program name, program PID value and other parameters
- ✓ Power-down program memory function
- ✓ Support program automatically updated
- ✓ Support Yongxin Tongfang, Irdeto, digital video, CONAX, arithmetic and other CAS
- ✓ Ultra-low power consumption, prolonged use of the chip temperature does not change very high

Front Panel:



Plastic shell length * width * height: 260*43*20.5

Rear Panel:



Technical specifications

◆ The main chip and memory :

Microprocessor Model: Country core GX3001Q
 CPU work frequency: 300MHz
 Flash memory: 2M 4M 8MByte
 SDRAM: 16Mbyte SDRAM 32M64Mbyte DDR

◆ Power :

Input power: AC100 ~ 240V, 50 ~ 60Hz
 Machine power consumption: <15W
 Standby power consumption: ≤ 1W

◆ Front panel structure :

Indicators: 2 (power light: red; lock light: green)
 Function keys: 7 (channel up / down, sound up / down, menu, confirm, exit)
 IC CARD Reader: ISO7816

◆ Rear panel structure :

RF signal input: 1, F-type (English) (with RF loop output)
 RF loop-through output interface: 1, F-type (British), RF loop out
 Composite video output: a group RCA type, 75 Ω
 Left / Right / Stereo Outlets: 1 RCA, 600 Ω unbalanced
 Software upgrade serial port: 1, RS232 type: pin

◆ Tuner:

Tuner: DVB-C (onboard program)
 Receiver operating frequency range: 51-860MHz
 Input signal level: 36dBuV ~ 90dBuV (64QAM); 40-80dBuV (256QAM)
 Input impedance: 75 ohms
 Frequency capture range: ± 300KHz
 Input reflection loss: > 8dB
 LO leakage: <43dBuV
 Support symbol rate range: 3.6-6.952MS / s
 C / N Threshold: ≤25dB (64QAM)
 ≤32dB (256QAM)

◆ Demodulation :

Demodulation mode: DVB-C
 Demodulation method: 16QAM / 32QAM / 64QAM / 128QAM / 256QAM
 IF bandwidth: 8MHz

◆ Video Decoding:

Decoding method: (ISO / IEC13818-2) MPEG-2 MP @ ML

Video output format: PAL / NTSC automatic;

Single video compression bit rate: 2-15Mbps (continuously adjustable)

Image resolution: 720x576 (maximum; with the end of the signal adjustable)

◆ Audio Decoding:

Audio decoding: MPEG-1 (layer1,2)

Audio work: mono, two-channel, stereo

Audio sampling frequency: 32 KHz, 44.1 KHz, 48 KHz

◆ Channel Decoding:

Coding method: RS code (204, 188, T=8)

◆ PAL-D Video Output:

Video output amplitude: 700 + 30mvp-p;

Video synchronization amplitude: 300 +20 mvp-p;

◆ Audio Output:

Audio output level: 0 +6 dBu;

Audio left and right channel level difference: <0.5dB (20Hz-20KH z);

Volume adjustment: 100 orders;

◆ Stability: Mean time between failures (MTBF) of more than 15,000 hours

◆ Reliability: using SJ / T11219-20005.10 test program

◆ Electromagnetic radiation interference value: <1x10 W