

Product Manual

- ◆ Model: GCR-K619
- ◆ Type: DVB-C/MPEG-2

Main Features:

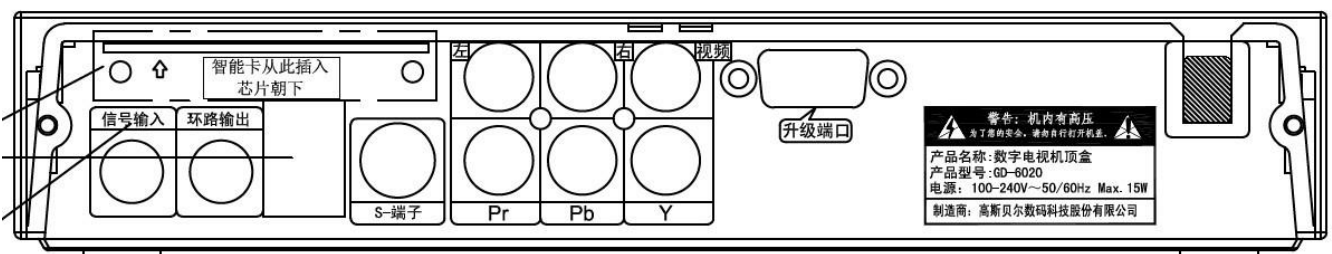
- ✓ Full compliance with DVB-C digital TV reception standards
- ✓ Full compliance with MPEG-2 standard
- ✓ Safety in line with GB / T8898 second-class equipment in the relevant requirements
- ✓ The main chip using Hua Asia Micro's HTV900D3C chip, which chip has a high degree of integration of outstanding 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
- ✓ Embedded Loader supports remote upgrade, the program can be updated to the latest version, OTA upgrade 100% success rate
- ✓ 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
- ✓ Composite video signal left and right channel output, support for stereo
- ✓ Support program automatically updated
- ✓ Integration of many major domestic CA
- ✓ Ultra-low power consumption, prolonged use of the chip temperature does not change very high



Front Panel:

Length x width x height: 220×122.5×40

Rear Panel:



技术规格

◆ Chip Description :

CPU work frequency: 300MHz

Flash memory: 4MByte

SDRAM: 32Mbyte

◆ Power:

Input Power: AC100V ~ AC240V, 50 ~ 60MHz AC power supply

Maximum power consumption: 15W

Standby power consumption: $\leq 3W$

◆ Interface Description :

RF signal input: $\times 1$

RF signal output: $\times 1$

Audio and video output: composite video + YcbCr + S terminal + left and right channel output + digital audio

Remote control receiver: the front panel to receive, does not support infrared expansion

Data interface: RS232, for connection with peripheral devices, but also through the serial port for system software upgrades and set-top box troubleshooting

Power Interface: AC100V ~ AC240V, 50 ~ 60MHz AC power input

Smart Card Interface: ISO7816 interface standard

◆ Tuner:

Tuner: R820C2 onboard program

Receiver operating frequency range: 42-1002MHz

Input signal level: 36dBuV ~ 100dBuV

Input impedance: 75 ohms

Frequency capture range: $\pm 600KHz$

Input reflection loss: $> 8dB$

LO leakage: $< 43dBuV$

Support symbol rate range: 3.6-6.952MS / s

Program Time Base (PCR) jitter adaptation: + 500ns

◆ 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, 44.1, 48 KHz

◆ Channel Decoding:

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

◆ PAL-DC 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: 32 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