Model: GCR-K956

Version: V1.0

### Product Manual

◆ Model: GCR-K956

XIPOINT

◆ Type: DVB-C/MPEG-2/AVS

### **Main Feature:**

- ✓ Fully in line with DVB-C digital TV reception standards
- ✓ Fully comply with MPEG-2 and AVS standards
- ✓ Safety in line with GB / T8898 second-class equipment in the relevant requirements
- ✓ The main chip using Ali's M3202C 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 270MHz
- ✓ Support all kinds of mainstream CAS condition receiving system
- ✓ Embedded Loader supports remote upgrade, the program can be immediately 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 / forced conversion
- ✓ Can choose Chinese menu, friendly user interface Diverse menu operations, menu prompt time, transparency, brightness, language
- ✓ 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
- ✓ Have integrated a number of CA, Yongxin Tongfang, with the secret and so on

Ultra-low power consumption, long-term use of the chip temperature does not change very high

### **Front Panel:**



Plastic shell length \* width \* height: 180\*120\*33. 2

### **Rear Panel:**



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# **Technical specifications**

# **♦** Chip Description:

CPU work frequency: 270MHz Flash menmory: 4MByte SDRAM: 32Mbyte

### ♦ Power:

Input power: DC5V, 1.5A

Maximum power consumption: 9W Standby power consumption: ≤ 1W

# **♦** Interface description :

RF signal input: x1 RF signal output: None

Audio and video output: composite video + left and right channel output

Remote control receiver: Infrared remote control 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: Adapter + 5V input

Smart card interface: ISO7816

#### **tuner**:

Tuner: DVB-C (onboard program)

Receiver operating frequency range: 48 ~ 862MHz

Input signal level: 36dBuV ~ 100dBuV

Input impedance: 75 ohms

Frequency capture range: ± 600KHz

Input reflection loss:> 8dB

LO leakage: <43dBuv

Support symbol rate range: 3.6-6.952MS / s

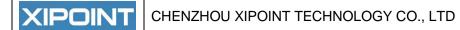
Program Time Base (PCR) jitter adaptation: + 500ns

### ◆ 解调:

Demodulation mode: DVB-C

Demodulation method: 16QAM / 32QAM / 64QAM / 128QAM / 256QAM

IF bandwidth: 8MHz



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# ♦ 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 coding:

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: 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