

GOSPELL	Gospell Digital Technology Co., Ltd.	Model.: GCR-K709
		Version: V1.0

Product introduction

- ◆ Model: GCR-K709
- ◆ Program: HI3110E V400
- ◆ Type: DVB-C/MPEG-2

Features:

- ✓ 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
- ✓ Hi3110EV400 integrated ARM926EJ-S CPU, the highest frequency can reach 400MHz.
- ✓ Support up to 512Mbit DDR SDRAM, the clock rate is 200MHz.
- ✓ Support MPEG-1, MPEG-2 video decoding.
- ✓ Support CVBS video output.
- ✓ Support for left and right channels, stereo analog audio output.
- ✓ Support MINI USB serial communication.
- ✓ With the corresponding low-power power supply board, the system standby power consumption below 0.8W.
- ✓ 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
- ✓ Has integrated a number of CA, Yongxin Tongfang, digital video and so on

Pictures:

◆ Front Panel:



SZ1903-Size: 188*112*24mm

◆ Rear Panel:**Product specifications:****◆ The main chip and memory :**

CPU work frequency: 400MHz
Serial FLASH: 16Mbyte, maximum 32M
DDRAM: 64Mbyte

◆ Power:

Power Input: DC 5V 1.5A
The maximum power consumption : 5W
Standby power consumption : ≤ 1 W

◆ Physical interface :

RF Sinal Input: x1
RF Signal Output: x1
Video and Audio Output: Composite video + left and right channel output
Power supply Interface: External DC5v, 1.5A adapter
Smart Card Interface: IS07816

◆ High-frequency head :

Tuner: DVB-C 820C2 (onboard program)
Receiver operating frequency range: 115-860MHz
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)

◆ Aideo decoding:

Audio decoding: MPEG-1 (layer1,2)
Audio work: mono, two-channel, stereo
Audio sampling frequency: 32, 44.1, 48 KHz