



# HANDAN

## CV-3000+CNX

DIGITAL CABLE RECEIVER WITH EMBEDDED CONAX

### 1. Tuner & Channel

RF input range	47MHz -862MHz
Input dynamic range	-15dBmV to +15dBmV
Channel selection	PLL Synthesizer Step Size :62.5KHz IF : 36.125MHz
Supporting system	DVB-C(QAM) Compliant 16/32/64/128/256 QAM
IF Bandwidth	8MHz
C/N ratio	256QAM : 36.0dB 64QAM : 30.0dB
ANT normal impedance	ANT IN : 75 Ohm unbalance TV OUT : 75Ohm unbalance

### 2. MPEG transport stream A/V decoding

Transport stream	MPEG-2 ISO/IEC 13818 Transport stream specification
Profile & level	MPEG-2 MP @ ML
Input T/S data rate	80Mbit/S max.
Aspect ratio	4:3(Center, Letter Box), 16:9
Video resolution	720 x 576 (PAL )
Audio decoding	MPEG1 audio layer 1 & 2
Audio mode	Stereo, dual channel, joint stereo, mono
Sampling rate	32, 44.1 and 48kHz

### 3. Memory

Flash memory	2M bytes
Program DRAM	8M bytes
EEPROM	2K bytes

### 4. A/V & Data in/out

CVBS video out	RCA x 1
Analog audio out	RCA x 2 (L-CH x 1, R-CH x 1) Resolution 16bit DAC Output Level 2Vrms Max Volume & mute control
Data interface	RS232C, Baud Rate 9600 ~ 115200, 9 Pin D-Sub

### 5. Conditional Access

Embedded Conax (Conax verifier compliant)	1 smart card reader
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### 6. RF-Modulator

RF-connect	75Ohm, IEC169-2, male/female
Output channel	CH 3 / 4(B) , 21-69(G)
TV standard	PAL B/G
RF output level	60dBuV - 80dBuV

### 7. Power Supply

Input voltage	AC 90-270V~, 50Hz
Type	SMPS
Power consumption	20W max. (Below 7W max. for stand-by mode)
Protection	Separate internal fuse and chassis grounding and the input shall have lighting or electric shock protection.

### 8. Physical Specifications

Size (W x H x D)	320mm x 60mm x 220mm
Weight	about 2.0 Kg

### 9. Environment

Operating temperature	+5°C ~ +55°C
Storage temperature	-4°C ~ +65°C