

TF5000CIP

Digital Satellite Receiver
with CI and Positioner

2 Common Interface for
CONAX, CRYPTOWORKS, IRDETO,
NAGRAVISION, SECA & VIACCESS

Built-in positioner
Digital audio output
Firmware upgrade by OTA
DiSEqC 1.0, 1.1, 1.2 and USALS(DiSEqC 1.3)

- ▶ MPEG-2 Digital and fully DVB compliant
- ▶ 2 Common Interfaces for
CONAX, CRYPTOWORKS, IRDETO, NAGRAVISION, SECA & VIACCESS
- ▶ DiSEqC 1.0, 1.1, 1.2 and USALS(DiSEqC 1.3)
- ▶ 5000 services (TV and Radio) programmable
- ▶ Service switching time less than 1 second
- ▶ Service list editing
- ▶ Favorite service list editing
- ▶ 30 favorite service groups support
- ▶ Automatic and Manual PAL/NTSC selection
- ▶ Multilingual Audio support
- ▶ 256 color On-Screen Display (OSD)
- ▶ Multilingual menu text support
- ▶ GMT and Time Offset support
- ▶ Full Picture In Graphic (PIG) function
- ▶ Electronic Program Guide (EPG) for on screen service information
- ▶ Subtitle supported
- ▶ Teletext supported by VBI insertion and software emulation
- ▶ Parental lock facility by service and program event
- ▶ Firmware and Data transfer from receiver to receiver
- ▶ Exciting games embedded
- ▶ S/PDIF for digital audio or Dolby AC-3 bitstream output
- ▶ SCART and RCA A/V output
- ▶ RF modulator output
- ▶ S-VIDEO output
- ▶ YUV and S-VIDEO output in SCART connector
- ▶ VCR Timer function
- ▶ Built-in Positioner (High Power Azimuth Control, 36VDC, 3A)
- ▶ Firmware upgrade by Over-The-Air



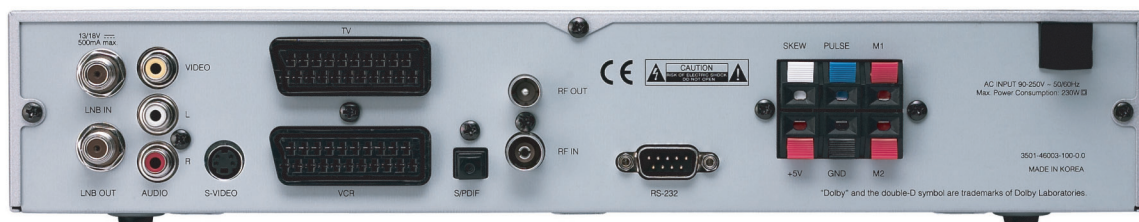
Your Confidence, TOPFIELD

TF 5000CIP SPECIFICATION

Tuner & Channel Decoder	
Input Connector	F-type, IEC 169-24, Female
Frequency Range	950 ~ 2150MHz
Signal Level Input	-65 ~ -25dBm
LNB Power & Polarisation	Vertical : +13.5VDC
	Horizontal : +18.5VDC
	Current : Max.500mA Overload protection
22KHz Tone	Frequency : 22 ± 1KHz
	Amplitude : 0.65 ± 0.2V
Demodulation	QPSK
Input Symbol Rate	1~45 Msps
Code Rate	1/2, 2/3, 3/4, 5/6 and 7/8
MPEG Transport Stream A/V Decoding	
Transport Stream	ISO/IEC 13818-1 MPEG-2
	Transport stream Specification
Profile Level	MPEG-2 MP@ML
Aspect Ratio	4:3, 16:9
Video Resolution	720 x 576
Audio Decoding	MPEG-1 Layer 1 & 2
Main System	
Main Processor	RISC CPU
Conditional Access Interface	
PCMCIA	2 slots
	DVB Common Interface standard
RF - Modulator	
RF - Connector	75Ω, IEC 169-2, Female/Male
Output Channel	CH21 ~ 69(PAL)/CH14 ~ 83(NTSC)
TV standard	PAL G/I/K, NTSC-M

A/V & Data In/Out	
TV-Scart	Video CVBS/S-VIDEO/RGB/YUV output
	Audio L/R output
VCR-Scart	Video CVBS output
	Audio L/R output
	Video CVBS/S-VIDEO/RGB/YUV input for bypass
	Audio L/R input bypass
S-VIDEO	Video S-VIDEO output
RCA A/V	Video CVBS output
	Audio L/R output
S/PDIF	Digital audio or Dolby AC3 bitstream output
RS-232C	9 pin D-sub type
	Transfer rate : max. 115.2Kbps
Front Panel	
Keys	5 Keys (CH-/+, VOL -/+, STANDBY)
LEDs	EXT, REMOTE, STANDBY
4-digit 7-segment LEDs	Service number or Time display
RCU	39 Keys
Power Supply	
Input Voltage	90 ~ 250VAC, 50/60Hz
Type	SMPS
Power Consumption	Running : Max. 230W, Standby : 10W
Positioner & Skew	
Terminals	M1, M2, PULSE, GND, +5V, SKEW
Positioner Power	+36VDC, Max. 3A(During 5 minutes)
Sensor Type	Reed Switch
Skew Output Power	+5VDC, Max. 100mA
Protection	Separate internal fuse.
	The input shall have lightning protection.
Physical Specification	
Size (W x H x D)	340 x 60 x 265 mm
Weight(Net)	2.7 kg

* Specifications and functions may be changed for improvement without notice in advance.



TOPFIELD

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