

F3-FOX CI Digital Satellite Set-Top Box



Equipped with the latest technology and design, the F3-FOX CI is a Digital Satellite Receiver with Common Interface Slot

As a digital set-top box, it can receive encrypted services via common interface module, as well as FTA broadcasts. Viewers can now enjoy both outstanding stability and comfort in this affordable set-top box loaded with the very best technology HUMAX can offer. The simple installation and operation, user-friendly threedimensional OSD, highest quality audio output with Dolby Digital Audio, and advanced video clarity made for TV and VCR are all designed to enrich the viewer experience.

In addition to providing more channels with the new highly sensitive tuner, F3-FOX CI boasts the Electronic Program Guide (EPG) and information plate that enable subtitles and teletext for a bounty of useful information on programs and broadcast signals.

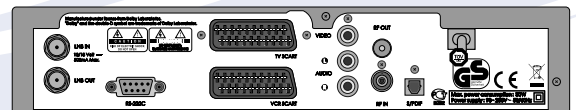
Software upgrade notices are posted periodically on the Internet homepage, and new versions can be updated through automatic software upgrade service (OTA) via satellite or through software download service on HCSA(HUMAX Customer Service Area) via the built-in serial interface (RS - 232C). With the latest software, viewers are always sure to enjoy endless hours of extraordinary digital broadcasts and an abundance of data.

Features & Functions

- Scrambled channel receivable with DVB CI.
- MPEG-II Digital & Fully DVB Compliant.
- Max. 4000 channels receivable.
- Channel list mode in All, Favorite, Satellite, Scrambled.
- Finding channels by name.
- 4 Favorite channel groups (Max. 100 channels in each group).
- Channel search in automatic, manual and network search.
- Channel sorting by Channel Number, Alphabet, FTA.
- Installation Wizard helps easy and automatic installation step by step.
- DiSeqC version 1.0, 1.2 USALS compliant (2.0 compatible)
- Timer Setting Supports automatic Turn-On and Off daily.
- Subtitle supports EBU and DVB subtitle.
- Teletext Supports DVB ETS300472 by VBI insertion.
- Dolby Digital Audio Output (optical).
- Auto language selection of program for Audio language with user setting in menu.
- PAL/NTSC In and Out.
- Video format in 4:3, 16:9 and letterbox.
- OSD languages (English, German, Italian, Spanish, French, Polish, etc.)
- Parental control with block on system, all channels and programs by age limitation.
- Software Upgrade via OTA and serial connection (RS - 232C).
- User-friendly EPG and Information Plate.
- Extended information shows the full program information.

F3-FOX CI Specification

Power Supply	
Input Voltage	AC 90~270, 50/ 60Hz
Type	Switching Mode Power Supply(SMPS)
Power Consumption	Max. 30W, Stand-by : Max. 9 W
Protection	Separate internal fuse & Lightning protection
Demodulator	
Demodulator chip	TDA10086HT
Waveform	Signal chip DVB-S(with ETS 300-421)/DSS QPSK Receiver Convolutional Code Rate 1/2,2/3,3/4,5/6 and 7/8
FEC Decoder	With Constraint Length K=7
Tuner & Channel	
LNB input Connector	IEC 169-24 Female(F-type)
LNB output Connector (loop through out)	IEC 169-24 Female(F-type)
Tuner	HST-3000 LV (TDA8263HN)
Frequency Range	950 to 2150 MHz
Input Impedance	75 Ω, unbalanced
Signal Level	-65 to -25 dBm
LNB Control Power & Polarization	13V/8VDC with 22KHz Tone. Current : Max. 500mA, overcurrent Protection
Input Symbol Rate	2 -45 MS/s
Convolutional Code Rate	1/2, 2/3, 3/4, 5/6 and 7/8
Video Decoder	
Transport stream	MPEG-2 ISO/IEC 13818
Profile Level	MPEG-2 Main Profile @ Main Level
Input Rate	Max. 15 Mbit/s
Video Formats	4:3, 16:9 Letter box(Default)
Video output	CVBS, RGB, S-Video
Video Resolution	Max.720 x 576
Audio Decoder	
Audio Decoding	MPEG/MusiCam Layer I & II
Audio Mode	Mono /Dual mono/ Stereo /Joint stereo
RF-Modulator	
RF In/Out (Loop-through) Connector	Input : IEC 169-2 Female, Output : IEC 169-2 Male
Frequency	470MHz to 862 MHz
Conditional Access Interface	
Common Interface	1 Common Interface
Smart Card Reader	None
SIM	None
Application System Resources	
CPU	PNX8316HS
Memory	
FLASH Memory	2 Mbytes (ST FLASH BGA Type : M28W160ECB-70ZB)
Graphics(MPEG)&System Memory	16 Mbytes (ELPIDA EDS1216AATA-75-E)
EEPROM	8Kbytes
A/V & Data In/Out	
Video	RGB, CVBS, S-Video
Audio R/L	RCA Volume and Mute Control
RS-232	9 PIN D-SUB CON, (Male type)
Front and Rear Summary	
Front	
Slot	1 Common Interface
Buttons	4 Buttons (Power On/Off, TV/Radio, Channel up, Channel down)
Indicators	3 LED : Power on/off, TV, Radio
Display	7-Segment
u-com or SAA1064	SAA1064
Rear	
Main Power Cable	Fixed type on the body
Tuner and LNB	1 Input with 1 loop-through
RCA	1 Composite video output, 2 Audio output (left and right)
Data port	1 RS-232C (9pin type)
Digital output	None
S/PDIF	1 Optical output
Physical Specification	
Size (W x H x D)	310 x 60 x 237 mm
Weight(Net)	Around 1.89 kg
Etc	
Accessories	Scart cable, User's Manual, RCU, 2 Batteries(AA), RF cable



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