



## SERVSAT SATELLITE RECEIVER FTA 24660



### Products Information

#### Features:

- ◆ Fully DVB-S/MPEG2 4:2:0 compliant
- ◆ Dual Common Interface slots
- ◆ 4000 channels memory space
- ◆ Optional:CI Adopt conq cryptoworks,irdeto,Mediaguard, Nagravison,Seca,Viaccess,NDS and more. Standard CAM'S to test and search completely
- ◆ 256 colors on screen Display OSD
- ◆ PAL(M)/PAL(BG)/NTSC/SECAM/AUTO SELECT
- ◆ VIDEO Brightness and contrast tune
- ◆ DiSEqC1.2, Voltage(14/18V),Tone(22KHz) and 1/12V LNB Switching Support
- ◆ Nine language OSD (English,French,Arabic,German Turkish, Spanish, Indonesian,Polisk,Italian)
- ◆ Multi-language Audio and subtitle Reception
- ◆ Electronic Program Guide(EPG)
- ◆ VBI and OSD Teletext Support
- ◆ RF Modulator for TV standard(PAL B/D/I/K)
- ◆ Reserved AC3 digital Audio output
- ◆ PIG and Game support
- ◆ Automatic Search for Transponders and channels
- ◆ Scan search without parameter
- ◆ Search mode free /free+CAS and Network ( NIT on or off )
- ◆ Auto sort channel and Favorite sort
- ◆ Channel organiser(FAV,LOCK,SKip ,DEL)
- ◆ The instruction of the keyboard voice operation
- ◆ Startup boot on channel on or off select
- ◆ Timer function support
- ◆ RS-232 Interface Upgrade(Receiver/PC to Receiver)

#### CPU and Memory

CPU	Sti5518
Processing speed	81MHz
Program memory	2M
Decoding memory	8M

#### RS-232 Interface

Connector	DB-9 female
Protocol	RS-232 asynchrony
Baud rate	1152000 bps

#### Tuner

IF Input frequency	950~2150MHz Automatic bandwidth 36, 54, 72 Mhz
Output frequency	950~2150MHz
Input impedance	75Ω
LNB power supply	13/18V, MAX 400mA short circuit protect
Input level	-65dBm ~ -25dBm

#### AV Output

Video de-emphasis	CCIR REC.405-1, 625 LINES, M-NTSC and PAL
Video bandwidth	5.5 MHz
Video output impedance	75Ω
Video output level	1.0 Vp-p
Audio output	Left/right, Stereo
Audi Rate	64, 128, 256 and 384 Kbps
Audio output frequency	20Hz ~20KHz
Audio output impedance	620Ω
Audio output level	0dBm (250mVpp)

#### Demodulator

Waveform	QPSK
Symbol rate	2-45 MS/s
Rx Rate	15Mbps
Roll off factor	0.35
Reed Solomon decoder	RS(204 , 188, 8)
Viterbi decode rate auto detection	1/2,2/3,3/4,5/6,7/8

#### TS Demultiplexer

Demultiplex	CD ISO/IEC 13818B-1
Input max. bit rate	60Mbps(serial)/7.5Mbps(parallel)

#### Video decoder

Standard	CD ISO/IEC 1381B-2, MPEG-2 MP@ML, 4:2:0
Video aspect ratio	4:3, 16:9
Resolution	Max. 720 x 576

#### Audio decoder

Standard	ISO/IEC 1381B-3 LAYER I & II
Output mode	Left/right, stereo
Sampling frequency	32, 44.1, 48 KHz

#### Front panel

4-digit LED Indicator	Channel number, status
8 Buttons	MENU,CH-,CH+,OK,VOL-,VOL+, TV/RADIO,ON/OFF
IR remote control receiver	38 KHz

#### Back panel

IF input	F-type connector
IF Loop through output	F-type connector
RF modulator	ToTV,ANT IN (3/4ch)
S-VHS output	Super Video Conector
RCA output	4 RCA ( left/right audio, video,Digital Audio)
RS-232 interface	DB-9 female
0/12V output	Connect port

#### Remote control

Battery	2 x 1.5V AAA
Keys	32/36

#### Others

Power supply	AC 85-265V,50/60Hz
Power consumption	Max 30W
Size(W×H×D)	340×60×240m <sup>3</sup>
Weight(NET)	2.5kg
Storage Temp.	40°C~65°C
Operating Temp.	-5°C~50°C