

Triple Tuner - 2 High Definition Satellite and 1 Terrestrial/Cable Tuner
Twin Card Readers and RF Modulator

Full HD
1080P



Powered by Spark

S3700CHD



FULL HD TWIN TUNER SATELLITE RECEIVER AND SINGLE TERRESTRIAL/CABLE HYBRID TUNER

TWIN CONAX CARD READERS, TWO USBS AND AN RF MODULATOR

DUAL BOOT - SWITCH EASILY BETWEEN SPARK AND E2 LOADER

ETHERNET PORT, WIFI AND 3G MODEM SUPPORT (DONGLE SUPPLIED SEPERATELY)

TIME SHIFTING, RECORDING, PLAYBACK AND MEDIA SUPPORT WITH EXTERNAL HDD (USB 2.0)

HOME NETWORK SUPPORT - SHARE YOUR FILES OVER A LOCAL NETWORK

UNLIMITED NUMBER OF TV AND RADIO CHANNELS SUPPORTED

OPERA WEB BROWSER WITH FLASHLITE

SPARK PORTAL - INCLUDES YOUTUBE, RSS READER, GOOGLE TALK! AND SHOUTCAST FUNCTIONS*



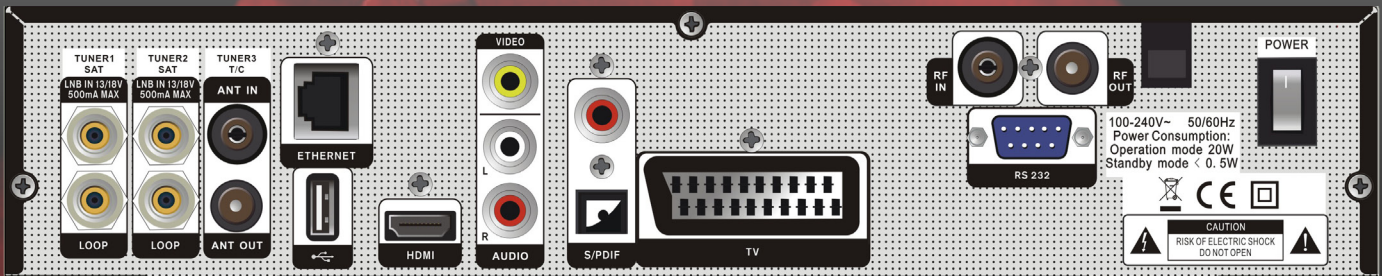
FEATURES

Two Conax Card Readers
 Dual Boot - Spark or E2
 Unlimited Channels Supported (TV & Radio)
 Two High Speed USB Ports (Front and Rear)
 Plug In Support
 True Colour, User Friendly On Screen Display (OSD)
 Timer Support - Set up to Eight Timers
 Multiple Sort Types - including FAV, SAT, HD
 HbbTV and WebTV (where available)

YouTube, RSS Reader, Spark Portal and Opera Web *
 Full 1080P High Definition by HDMI**
 Multimedia Playback including MKV, AVI, MPG
 Record, Timeshift and Playback with External HDD
 EPG Support (Where Broadcast)
 Parental Lock
 Embedded Games
 Digital Audio Output - Coaxial and Optical
 File Sharing via Local Network

Alphanumeric Vacuum Fluorescent Display
 Ethernet Connection, WiFi and 3G Support
 (Icecrypt WiFi Dongle Available separately)
 DiSEqC 1.0, 1.1, 1.2 and USALS Compatible
 Channel Switching Time <1 Second
 SD Output by SCART, RCA or Modulator
 Multi Language Support (Menu and OSD)
 0.5W Stand-by Power Consumption

*Internet Connection Required/3rd Party Apps
 subject to change
 **HDMI Lead Not Included



SPECIFICATIONS

TUNER & CHANNEL DECODER (SATELLITE)

Input Connector	FEC Decoder F-type, IEC 169-24, Female
Output Connector	F-type, IEC 169-24, Female
Frequency Range	950MHz ~ 2150MHz
Input Impedance	75Ω, unbalanced
Sensitivity	-65 to -25dBm
LNB Power	13.5/18VDC, max.350mA
22KHz Tone	(22±4)KHz, (0.6±0.2)V
DiSEqC Control	V1.0/1.1/1.2/USALS Compatible
Demodulation	QPSK / 8PSK / 16APSK
Input Symbol Rate	2 ~ 45 Ms/s(QPSK of DVB-S) 2 ~ 45 Ms/s(QPSK of DVB-S2) 2 ~ 45 Ms/s(8PSK of DVB-S2)
FEC Decoder	1/2, 2/3, 3/5, 3/4, 4/5, 5/6, 6/7, 7/8, 8/9 and 8/10 (QPSK) 3/5, 2/3, 3/4, 5/6, 8/9 and 9/10 (8PSK) 2/3, 3/4, 4/5, 5/6, 8/9 and 9/10 (16APSK)

TUNER & CHANNEL DECODER (TERRESTRIAL/CABLE)

Input Connector	IEC 169-2 Female
Output Connector	IEC 169-2 Male
Frequency Range	VHF L: 51 ~ 142.5 MHz VHF H: 149.5 ~ 426 MHz UHF: 434 ~ 858 MHz
RF Loop In Standby	Active
Demodulation	QPSK / 16QAM / 64QAM
FEC Decoder	1/2, 2/3, 3/4, 5/6 and 7/8
Guard Interval	1/4, 1/8, 1/16 and 1/32
Channel Bandwidth	6, 7 and 8 MHz
FFT Mode	2K / 8K

MAIN SYSTEM

Main Processor	ST7162
Memory	RAM : 256 Mbytes FLASH : 512 Mbytes SLC NAND Flash

MPEG TRANSPORT STREAM A/V DECODING

Transport Stream	H.264(MPEG-4 part 10, MPEG- 4/AVC and H26L) MPEG-II ISO/IEC 13818-2/11172-2
Profile Level	MPEG-4/AVC MP@L4, MPEG-II MP@HL
Input Rate	Max. 120Mbit/s
Video Formats	4:3 Letter Box, 4:3 PanScan, 16:9
Video Resolution	720 x 576i, 720 x 576p, 720 x 480i, 720 x 480p 1280 x 720p, 1920 x 1080i, 1920 x 1080p
Audio Decoding	Dolby Digital, MPEG-1 Layer 1 and 2, MPEG-2 Layer 2
Audio Mode	Left/Right/Stereo/Mono
Sampling Rate	32KHz, 44.1KHz and 48KHz (According to input)

AUDIO / VIDEO & DATA IN/OUT

RCA	CVBS Video Output, Audio L, R Output
Audio	Digital Coaxial and Optical (S/PDIF)
SCART	TV SCART (CVBS/RGB)
HDMI	Video & Audio Output
USB	USB 2.0 Host Front & Rear Support. (5 Vdc 500 mA max.)
Ethernet	RJ45 connector, 100 Mbps
RF In	IEC 169-2 Female
RF Out (Modulator)	IEC 169-2 Male
RS-232	9 Pin D Type

FRONT PANEL

Slot	2 Smart Card Slots
USB	USB 2.0 Host
Display	Vacuum Fluorescent Display
Buttons	7 Keys (Power, Left, Right, Up, Down, OK, Menu)

POWER SUPPLY

Input Voltage	AC 100-250v, 50/60Hz
Type	SMPS
Power Consumption	Max. 15W
Standby Power	Max. 0.5W

PHYSICAL SPECIFICATION

Size (W x H x D)	300mm X 55mm X 220mm
Weight (Net)	2KG
Operating Temp.	0°C ~ +45°C
Storage Temp.	-10°C ~ +70°C

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