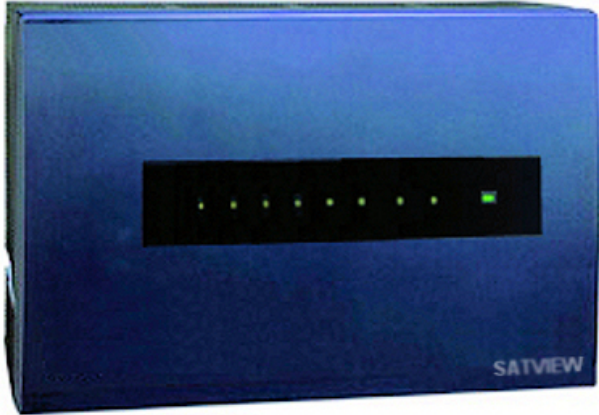


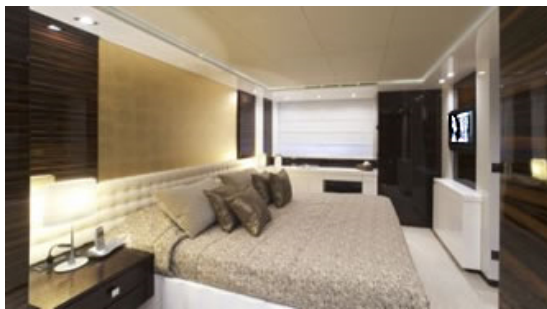
Satellite Television on all Standard TVs



- Pay TV & Free Sat TV Programs
- On Standard DVB-T TVs
- Without Sat Set Top Boxes
- Via the Existing Antenna Cable
- Also available for DVB-C TVs

The TVconverters SATVIEW box receives signals from up to 8 satellite transponders and **transforms the same signals into digital terrestrial TV**, allowing you to receive satellite programs on the normal digital TVs, without the need for any additional set top boxes.

Satellite TV Programs are received via any **standard Dish Antenna**, and the SATVIEW box operates the conversion into DVB-T standard and distributes the same HD and SD programs via the existing antenna coax cable to all the rooms, to common TVs.



In each room, only the standard DVB-T Television will be required, operated by its original single remote control, making the installation simple and easy to use for all.

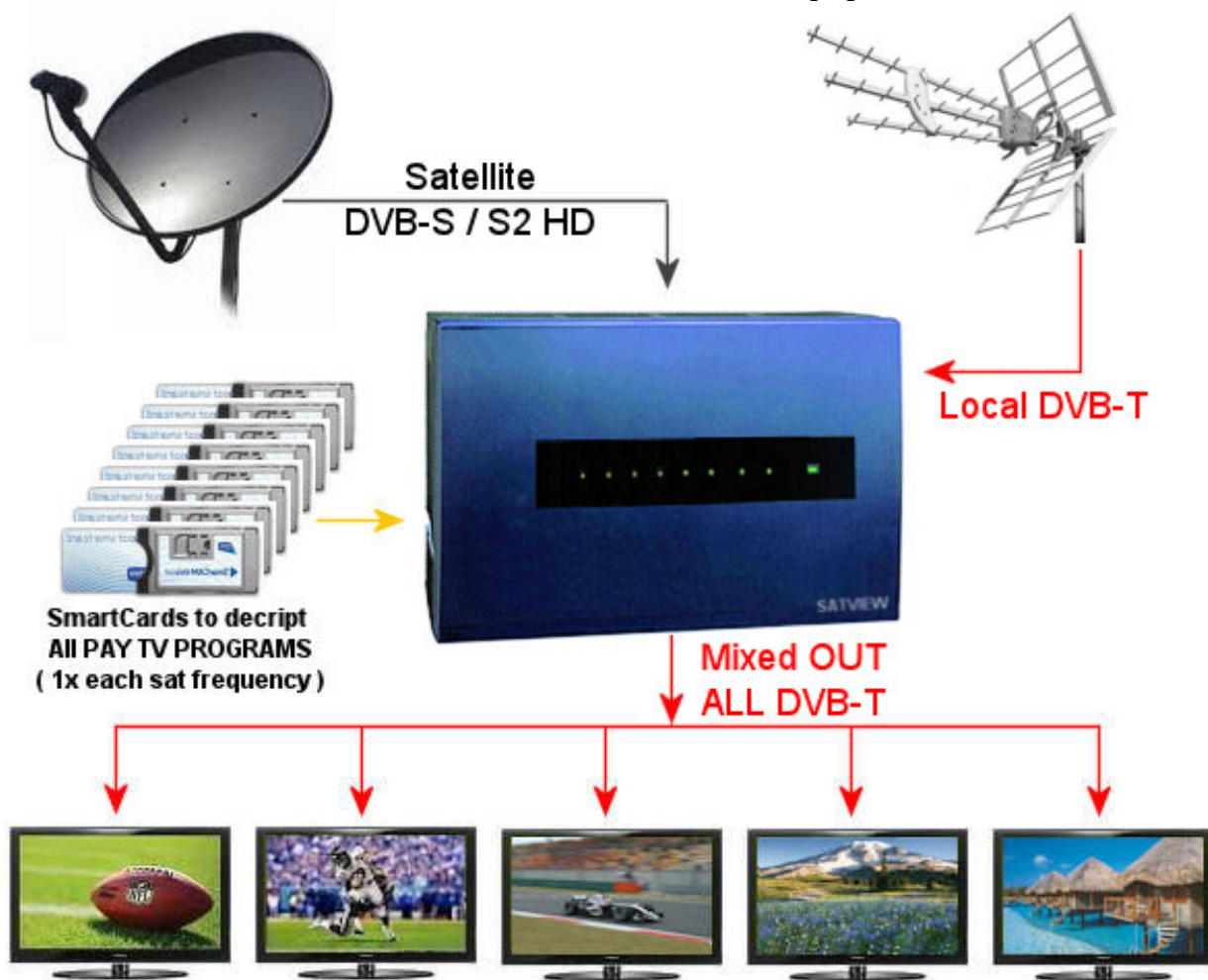
Each standard DVB-T TV will receive all the selected satellite programs, together with the local terrestrial programs if a terrestrial antenna is also installed.

There are no particular requirements on the distribution Antenna Coax cable, so the system can be installed and operated without any modification in most of the cases, with the ability to upgrade any existing TV system to the latest HD/SD television.

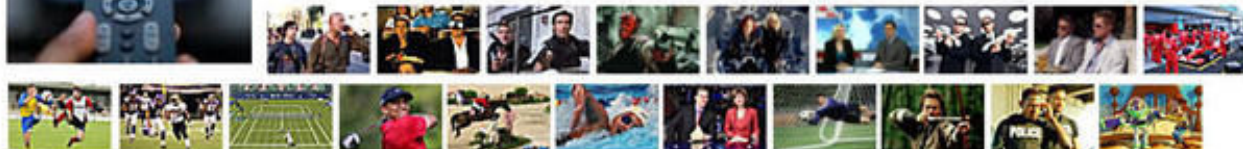
Pay-TV programs can be viewed by simply inserting the appropriate smart card/s and CAM adaptor, directly into SATVIEW BOX, so there is no need on any TV in every room.

Each inserted PAYTV SmartCard decrypts all the programs on one satellite frequency, so multiple frequencies of encrypted programs may require multiple smartcards, one per transponder.

Application Example



Satellite TV Channels on standard TVs



- ✓ no set top boxes in each room
- ✓ no special video cables on TV
- ✓ no multiple remote controls
- ✓ no multiple power sockets
- ✓ less power consumption
- ✓ less maintenance

- ✓ Easy to use for everyone
- ✓ Watch HD/SD sat channels
- ✓ Watch Local DVB-T channels
- ✓ Multi-Language & EPG Guide
- ✓ Centralized Smart Cards
PAYTV descrambling

Additional Audio/Video inputs option

see the "VideoShare" modules brochure for details



- ✓ Add one or more Video Inputs
- ✓ Connect any HD/SD analog or digital video source
- ✓ Distribute the video programs to unlimited standard DVB TVs together with all existing programs

- ✓ Distribute HD/SD video from:
 - Set Top Boxes
 - Video Players
 - Surveillance Systems
 - Computers
 - Any HD/SD video source

Technical Specifications

Satellite conversion

Configuration

- 1 to 8 internal conversion modules per each box
- One CAM SLOT per each module with the ability to descramble 5 or more paytv programs, depending from the used CAM/Smart Card (requires PRO CAMs)

Satellite Receiver (each module)

- L-Band input F-Type, 75 Ohm
- L-Band Loop out F-Type, 75 Ohm
- Input level: -25 dBm to -65 dBm
- Frequency range: 950 to 2150 MHz
- DVB-S QPSK demodulation EN300421
- FEC, DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8
- DVB-S2 QPSK, 8PSK demodulation EN302307
- FEC DVB-S2 QPSK: 1/4, 1/3, 1/2, 3/5, 2/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- FEC, DVB-S2 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
- Symbol rate: 1 - 45 Msyms (DVB-S), 1 - 31 Msyms (DVB-S2)
- LNB Power: 13V, 18V or off, 22 kHz on/off

DVB-T TYPE Converters

DVB-T Modulators (each module)

- RF Mix input
- RF Mixed output F-Type connector, 75 Ohm
- VHF/UHF operation range selectable to match free spectrum channels
- Full Compatibility with any world-wide DVB-T digital terrestrial TV
- Frequency range: 30 to 1000 MHz
- RF Out Level: Adjustable from 0dBm to -25dBm
- MER: Broadcast-Grade >45 dB
- Spectrum Shoulders: 55 dB of for excellent adjacent-channels operations
- Out Filter: -70 dB of Harmonic and spurious suppression
- DVB-T modulations QPSK, 16QAM, 64QAM
- FFT: 2K / 8K modes
- Guard Intervals: 1/4, 1/8, 1/16, 1/32
- Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8
- 6/7/8 Mhz Channel Bandwidth
- MFN Mode

DVB-C TYPE Converters

DVB-C Modulator (each module)

- RF Mix input
- RF Mixed output F-Type connector, 75 Ohm
- VHF/UHF operation range
- Full Compatibility with any world-wide DVB-T digital terrestrial TV
- Frequency range: 30 to 1000 MHz
- RF Out Level: Adjustable from 0dBm to -25dBm
- Spectrum Shoulders: 55 dB of for excellent adjacent-channels operations
- Out Filter: -70 dB of Harmonic and spurious suppression
- DVB-C modulations: 16,32,64,128, 256 QAM – J.83 annex A/C (B option)
- Symbol rates: > 7000 Ms/s

Operations

- Easy setup via USB and laptop
- List of available programs per each satellite transponder
- Ability to select or drop any available programs to the output
- Ability to assign/modify each programs number to store it automatically on all TVs with the wanted logical sequence
- After setup the laptop can be disconnected, and the unit will maintain the settings, also in case of blackout
- Set programs can be quickly changed at any new location or port of call by just connecting any laptop via usb

PAY TV channels

- Encrypted programs can be viewed on any DVB-T/C TV by inserting the proper smart card/s into the SATVIEW box (one smart card per each converter module/transponder)
- Scrambled programs can be also passed through, so a smart card is required then on the viewing TV

Performances

- Receives up to 8 satellite transponders simultaneously
- Routes all programs from satellite to DVB-T/C frequencies, so it can be viewed on any standard DVB-T/C TV
- Each transponder may include 10 or 20 programs between HD/SD TVs and Radios, so the total number of routed programmes per box can be at least 60+ (max out bitrate per each DVB-T converter is 31.5 Megabit/s 8Mhz UHF)

Compliance

CE marked in accordance with EU Low Voltage and EMC Directives

EMC Compliance

EN55022, EN61000-3-210, EN61000-3-310, EN55024, CISPR22, FCC CFR47 Part 15B Class A

Safety Compliance

EN60950-1, IEC60950-1, UL60950-1

Physical and Power

Dimensions (W x D x H)

442.5 x 150 x 300 mm

Can be Rack Mounted by using the included Rack brackets

Input Voltage

110/240 VAC 50/60 Hz
(optional 12 Volts 5 amps)

Power Consumption

Approx 70W

Cooling

Noiseless - Natural Convection

Environmental Conditions

Operating Temperature

-10°C to +70°C

Storage Temperature

-20°C to +60°C

Relative Humidity

5 to 95%

How to Buy

PN.	Description	PcsBox	Note
SATVIEW CONVERTER BOX			
SB5708	SATVIEW Box – RACK/WALL Mount 8 Free Slots - Incl. PSU note: no conversion modules are included Add up to 8 Modules per box from following models	1	
CONVERSION MODULES			
ST5701	One Satellite DVBS/S2 to DVB-T VHF-UHF Converter w. CAM	1	
SC5701	One Satellite DVBS/S2 to DVB-C VHF-UHF Converter w. CAM	1	



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