

TeleDelta HDS2802-SAT

DVB-S2 Satellite Decoder and DVB-T Modulator for Television and Radio



With the advent of Analogue Television services being switched off, some areas will be left with no terrestrial broadcast services to distribute for free-to-air television service reception across multiple televisions.

The TeleDelta HDS2802-SAT is a cost effective solution for in-building reticulation or TV black-spot area infill transmission of free-to-air satellite television and radio channels.

Suitable for large homes, hotels, motels, small communities and other multi-television premises the HDS2802-SAT receives all Freeview™ TV and Radio channels from the satellite service, re-multiplexes and re-modulates these signals and outputs them for viewing on any Television or Set-top-Box with a Freeview|HD™ Tuner incorporated.

The HDS2802-SAT requires no additional hardware at each digital TV location. TV users can view all the Freeview programs in digital quality using their normal digital TV and select channels with the normal remote control.

With no on-going costs or licences the TeleDelta HDS2802-SAT offers a hassle-free and cost effective solution for in-building multi-screen environments.

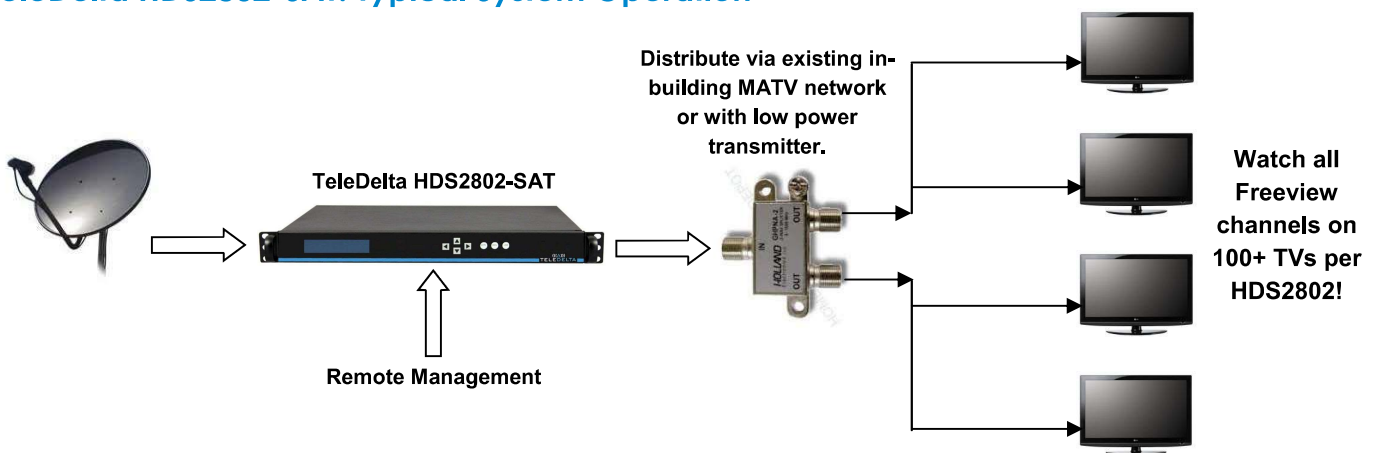
Common Applications

- Hotels and Motels
- Properties with Multiple TV's
- Pubs/Clubs
- Universities and Training Environments
- Commercial Premises
- TV black spot areas
- Remote Community TV coverage

Features

- Dual DVB-S2 Satellite Tuners
- Dual Channel DVB-T COFDM RF Output
- IP UDP Multicast Streaming Output
- Professional hardware for 24/7 operation
- Low capital cost per system
- Simple to operate – select channels with your normal TV remote control
- Engineered and supported in NZ

TeleDelta HDS2802-SAT: Typical System Operation



Technical Specifications

- Dual Satellite Tuners for DVB-S and DVB-S2 capture; proven Freeview operation
- Internal signal processing of transport streams and channel MUX's
- Dual COFDM DVB-T outputs, ASI and IPTV output options available
- Local and remote management and monitoring options built-in

DVB-S/S2 Input	
No. of Tuners	2
Input Frequency	950 ~ 2150 MHz
Input Connector	2 x F-type female
Loop Out Connector	2 x F-type female
Symbol Rate DVB-S	2 - 45 Msps
	QPSK 1/2, 2/3, 3/4, 5/6, 7/8
Symbol Rate DVB-S2	2 - 45 Msps
	QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
	8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
Signal Level	-65 ~ -25 dBm
Frequency Stepping	500 kHz
Input Impedance	75 Ohm
Return Loss	> -10dB

DVB-T COFDM Output	
No. of DVB-T Channels	2
Output Connector	1 x F-type female, 75 Ohm
Loop In Connector	1 x F-type female, 75 Ohm
RF Output Frequency	30 ~ 960 MHz
RF Output level	80 ~ 97 dBuV
MER	> 41
FFT	2K, 8K
Channel Bandwidth	6,7,8 MHz
Constellation	QPSK, 16QAM, 64QAM
Guard	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8

ASI (Optional)	
ASI Input	1 x BNC Connector, 75 Ohm
ASI Output	1 x BNC Connector, 75 Ohm
ASI Through	1 x BNC Connector, 75 Ohm
Processing	Channel Multiplexing and Pass-through
IP Output	
Connector	1 x RJ45 100BaseT
Format	MPTS UDP IP DataStream
Management	
Local	Front Panel LCD and button control
Remote	Web-based network management
Physical	
Dimensions	480x301x45mm
Weight	4.4 kgs
Power Supply	220-240V AC

