



HDS2900 Configuration Overview

Chassis Dimension	1RU Design, 480mm x 45mm x 436mm (LxHxW)
Module Support	6x Rear Mounted Module Inputs
Power	Input Voltage: 100~240VAC, 120W (expandable) Dual Power Supplies
Ethernet	4x RJ45 Ports (Front Panel) - 2x Management / 2x Traffic
System Management	IP Based Web-Accessible User Interface; SNMP
Multiplexing	Service-Level; simultaneous outputs to IP and modulators possible
IP Traffic	Support for 120x IP Inputs and 120x Outputs (SPTS/MPTS); UDP/RTP uni/multi-cast

DVB-S2/S2X with CI Receiver Module

Inputs	2x F-type connectors, feeding 2x tuners each
Tuner Numbers	4x DVB-S/S2/S2X Tuners
Input Frequency Range	950~2150MHz; LNB LO selectable
LNB	13/18V, 400mA; 22kHz selectable
Signal Level	-70 ~ -20dBm
CI Slot	2x PCMCIA DVB-CI CAM Slots
Symbol Rate	DVB-S: 1~45Mpsps, DVB-S2: 1~45Mpsps, DVB-S2X: 1~34Mpsps
Constellation	DVB-S: QPSK, 8PSK, DVB-S2: QPSK, 8PSK, 16APSK, 32APSK, DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK
Roll-off	0.15, 0.20, 0.25, 0.35
FEC	DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8, DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, DVB-S2X: 11/15, 7/9, 4/5, 5/6
Power Consumption	22W Maximum

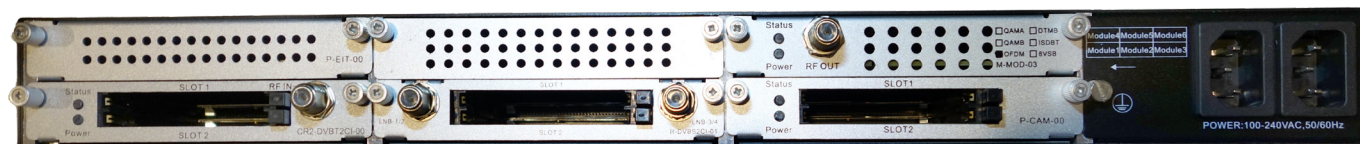
EIT Processing Module

Input	DVB-S/S2/S2X, DVB-T/T2, DVB-C/ISDB-T/ DTMB/IP
Output	IP/OFDM/QAM/ISDB-T/DTMB
Capacity	Up to 100 services, 32x TS Stream Input, 16x TS Outputs
Processing	ONID, TSID and SID Automatic Updating
EIT	EIT Table, PID 18 Generation after processing
TDT / TOT Table	TDT/TOT table with PID 20 will be passed.
EIT Control	Enable / Disable, Module Level, TS Level, Service Level

ASI I/O Module

Connector	5x BNC Female ASI Connectors, individually selectable to Input or Output
Bitrate	500Kbps ~ 150Mbps
Mode	Byte Mode (continuous) or Packet Mode (Burst Mode)
Packet Length	188 Bytes or 204 Bytes
Multiplex	Support PSI/SI or PSIP table regeneration, PID Filtering, External PID Insert
Power Consumption	16W Maximum

HDS2900 Configuration Overview



Optional Modules

Conditional Access Module

Interface	2x PCMCIA DVB-CI CAM Slots
Descrambling Support	Mainstream CAS. Channel quantity depends on CAM. CAM's can be different
Power Consumption	8W Maximum

COFDM Output Module

RF Carriers Output	4x or 8x Carriers, adjacent frequencies (option: Frequency Agility)
Connector	1x 750hm F-type Female
Frequency Range	47~ 862 Mhz
Standard	DVB-T per ETSI EN300744
Bandwidth	6MHz, 7MHz, 8 Mhz
Constellation	QPSK, 16QAM, 64QAM
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT Size	2K, 8K
Code Rates	1/2, 2/3, 3/4, 5/6, 7/8
Output Level	105dBμV (maximum)
MER	≥32dB (≥42dB optional)
Power Consumption	4ch: 23W Maximum, 8ch: 27W Maximum

www.teledelta.com

Contact Exclusive Distributor

Australia: sales@avw.com.au
Syd: 02 8213 0200 Mel: 03 8691 5210
Qld: 07 3607 3785 WA/SA/NT: 08 8120 3203

New Zealand: sales@avw.co.nz
Akl: 09 271 4000 Wel: 04 499 3888