

VDP100

VAST (DVB-S2) to DVB-T/ IPTV Distribution



The TeleDelta VDP100 is a compact 1RU DVB-S2 satellite distribution platform designed for television out-of coverage and black spot areas.

Built-in DVB-T (COFDM), IPTV and ASI output options provide maximum deployment flexibility into any operational environment, including cable head-ends and MATV networks

Modular in design the VDP100 will take up to three interchangeable input/output modules, including DVB-S2 (VAST) and DVB-S Inputs, Single/Dual Conditional Access modules and quad COFDM DVB-T RF output modules.

VDP100 Key Features

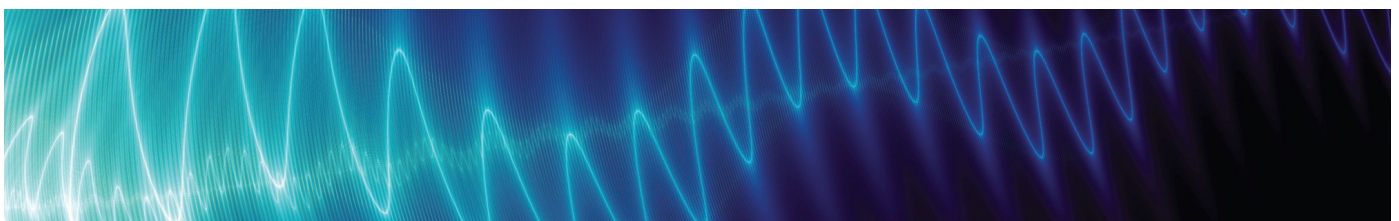
- Supports native content resolution (HD and SD) content from source
- IPTV, ASI and DVB-T output options
- Full Metro Experience, including EPG, Now/Next and Preview Stream
- Compact 1RU solution
- Built-in management pages for on-site and remote management
- Pre-loaded configuration for Western/Eastern VAST users

Common Applications

- Mining Camps
- Terrestrial TV black spots
- In-House MATV/ IPTV system
- Broadcast Head-ends
- Cable Play out Facilities
- Mining Camps
- Remote area communities
- University Campus
- Multi-dwelling Units

Control and Management

The TeleDelta VDP100 built-in network management offers automated control and monitoring functionality. Based on the wellav integration agent users can manage and configure all parameters of each individual module and each unit independently or as a full system, Supporting SNMP, the TeleDelta VDP100 can be customised for different system applications.

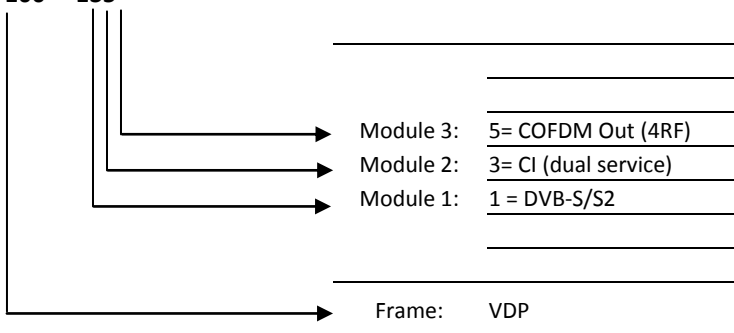


Ordering Options

Part No.	Ordering Suffix	Description
Frames:		
VDP100		VDP 1RU Frame, 3 Modules - 2xASI in/out + IP Streaming + Management
Modules:		
HDS-MOD-S/S2	1	VDP DVB-S/S2 Input Module
HDS-MOD-CI-1	2	VDP Conditional Access (single-service)
HDS-MOD-CI-2	3	VDP Conditional Access (multi-service)
HDS-MOD-DVBT-In	4	VDP Four Input DVB-T Tuner module
HDS-MOD-DVBT-out	5	VDP Four Output COFDM Tuner module

How to Order

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VDP100 Chassis configuration -

IP Interface

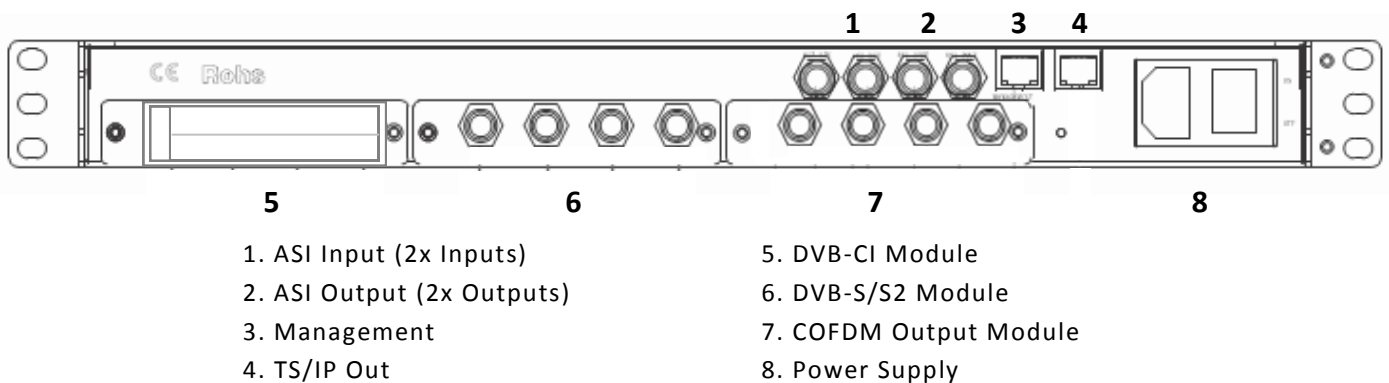
Interface	1 x 1000 per port
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS and SPTS
Addressing	Unicast and Multicast
Management	IGMPv1, v2 and v3

ASI Interface

Interface	4x BNC connectors 2x Input, 2x output
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Physical and Environment

Power	220-260V
Consumption	Approx 50w
Rack Space	1RU
Dimensions (WxHxD)	480x44x440mm
Operating Temperature	0-55degrees



VDP100

Module Specifications

IP Output /Management	
Interface	1 x 1000 per port
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS and SPTS
Addressing	Unicast and Multicast
Management	IGMPv1, v2 and v3
ASI In/ Output	
Interface	4x BNC connectors
	2x Input, 2x output

DVB-S/S2 Satellite Receiver Module	
Inputs	4x RF Inputs, 75ohm
Frequency Range	950-2150 MHz
Constellation	QPSK, 8PSK
FEC Mode (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
Signal Level	(-65dBm) ~ (-25dBm)
Symbol Rate (QPSK)	1M ~ 45MBauds
8PSK	1M ~ 31.5MBauds
22KHz	18~26 KHz
Per RF input bitrate	up to 150Mbps
Standard:	EST300421, ETS302307

DVB-CI Module	
Connector	PCMCIA Dual CI slots
CA Module	Multicrypt/ Simulcrypt, Hot Plug
CAS Support	Irdeto, Conax, Viaccess, Norel-SupperTV, CTI, Nagravision
Standard	EN50221

COFDM Output Module	
Outputs	1 Connector for 4x RF outs
Transmission Mode	2K and 8K
Guard Interval	1/4, 1/8, 1/16, 1/32
Constellation	QPSK, 16QAM, 64QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Output Level	90 ~112 dBuV (4 channels)
	90 ~ 115 dBuV (1 channel)
Output Frequency Range	50 ~ 858Mhz
Output frequency step size	50kHz

