MPR SERIES
Radio / Television Satellite Receiver and Decoder

The TeleDelta MPR Series platform is a broadcast style, receiver/decoder and modulator for multi-format, multi-standard television and radio and IP content distribution.

The space conscious 1RU MPR will support various formats, including MPEG2 and MPEG4 high definition and standard definition content delivery, the MPR can receive various inputs including DVB-S/S2, DVB-T/C, decrypt, process and select programs and output as various formats including HD/SD-SDI, Analogue A/V, AES/EBU, HDMI, ASI and IP.

Advanced feature options such as ProMPEG FEC, MPE IP decoding and multi-transponder viewing along with remote web-based management make the TeleDelta MPR Series a versatile satellite and RF distribution solution.

MPR Series Key Features

- Remote Management + Front Panel control
- HD/SD-SDI, analogue audio/video, AES/EBU, HDMI, ASI and IP (SPTS/MTPS) output options.
- Multi-channel decryption CI slots
- ProMPEG FEC supported (option)
- Balanced/ unbalanced audio support
- Program multiplexing, filtering, EPG insertion and cherry picking supported
- SPTS and MPTS IPTV outputs
- Local and Remote Management options
- Optioned Multi-format Audio/ Video Support (AAC, -AAC v1+v2, MPEG-2, MPEG-4)

Common Applications

- Television distribution
- Radio rebroadcast
- SNG truck monitoring
- VAST coverage
- Remote area communities
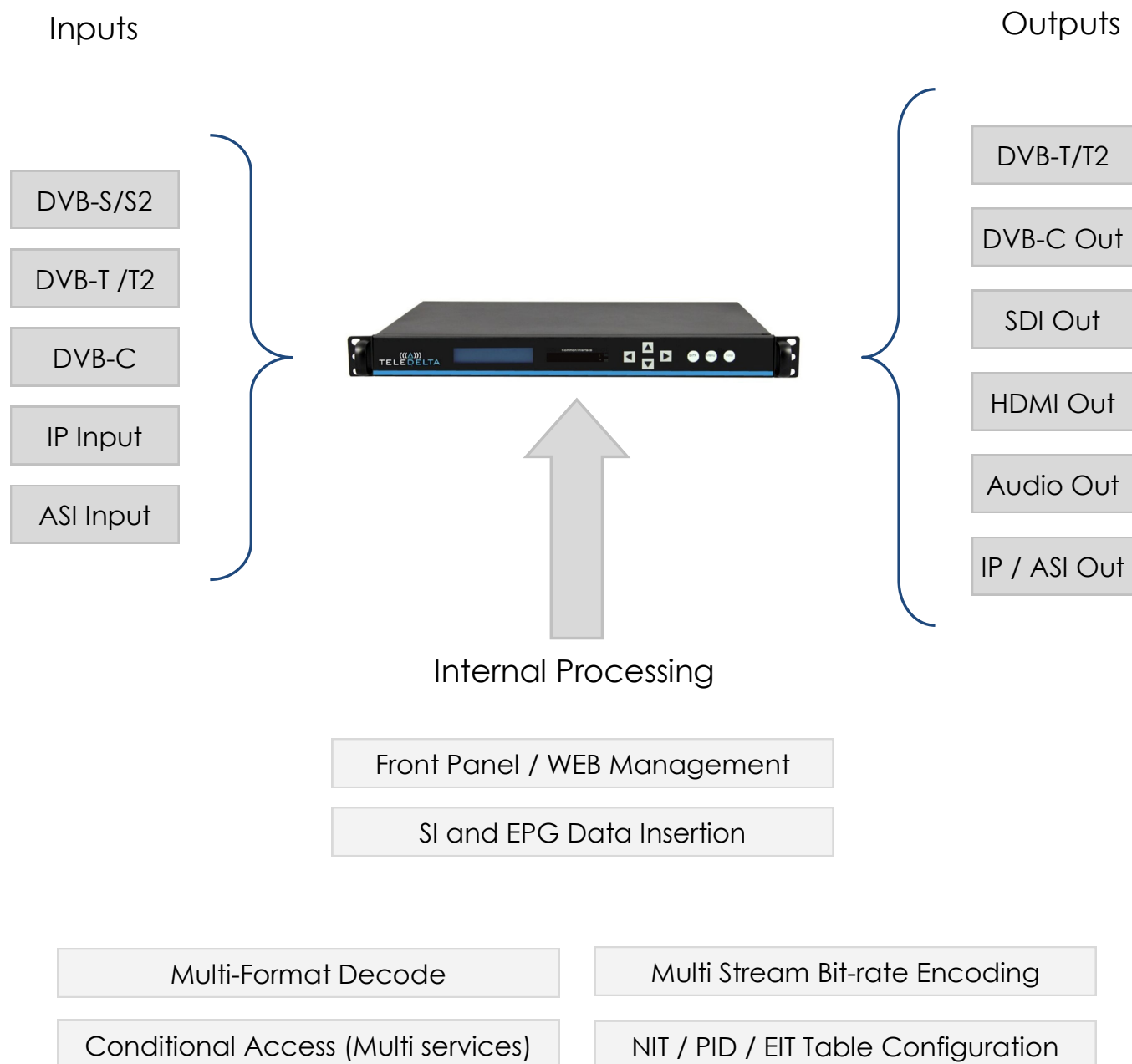- Mining / resource camps

Control and Management

The TeleDelta MPR's built-in network web management offers control and monitoring functionality from remote locations, front panel LCD and control interface allows for onsite adjustments and configuration. Users can manage and configure all parameters independently or as a full system via both management interfaces. Supporting SNMP, the TeleDelta MPR series can be customised for different radio or television applications.

MPR SERIES
Radio / Television Satellite Receiver and Decoder

TELEDELTA
www.teledelta.com

Inputs

DVB-S/S2

DVB-T /T2

DVB-C

IP Input

ASI Input

Outputs

DVB-T/T2

DVB-C Out

SDI Out

HDMI Out

Audio Out

IP / ASI Out

Internal Processing

Front Panel / WEB Management

SI and EPG Data Insertion

Multi-Format Decode

Multi Stream Bit-rate Encoding

Conditional Access (Multi services)

NIT / PID / EIT Table Configuration

For more information please contact your local distributor or sales@teledelta.com

① HDMI ② SDI OUT ③ L-AUDIO1 ④ R-AUDIO1 ⑤ L-AUDIO2 ⑥ R-AUDIO2 ⑦ CVBS ⑧ AES/EBU ⑨ ASI OUT
⑩ ASI IN ⑪ MANAGEMENT ⑫ RF OUT2 ⑬ RF IN2 ⑭ GPI ⑮ RF OUT1 ⑯ RF IN1
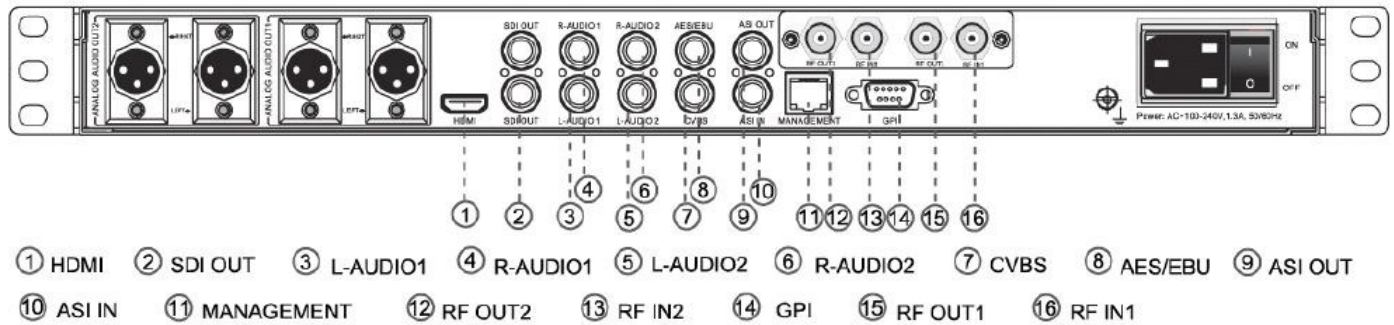
Receiver and Conditional Access Specification

DVB-S/S2 Satellite Receiver Module	
Inputs	2x RF Inputs, 75ohm
Frequency Range	950-2150 MHz
Constellation	QPSK, 8PSK
DVB-S2	1 ~ 31.5Msps (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	(-65dBm) ~ (-25dBm)
Acquisition Range	+/- 5MHz
Tuner Step Size	100 KHz
Return Loss	>10 dB
Vertical:	11.5V~14.0V
Horizontal:	16.0V~19.0V
22K Switch	On/off

DVB-CI Module	
Connector	2x Independent CI Slots
CA Module	Multicrypt/ Simulcrypt, Hot Plug
CAS Support	Irdeto, Conax, Viacess, Norel-SupperTV, CTI, Nagravision
Standard	EN50221

Video / Audio Support	
Video Decoding	MPEG-2 / MPEG 4, SD and HD
Video Format	PAL, PAL-M/N
Audio Decoding	(Standard - MPEG-1 L2) (Optional - AC-3, E-AC-3, HE-AAV v1,v2)
Audio Level	Adjustable -64 ~ 0dBm

IP - Data Input / Output	
Connector	RJ45
Format Support	UDP and RTP
Output Addressing	8x Simultaneous UPD / RTP Streams
Bit-Rate	Constant Rate

Management and Monitoring	
IP	Web-based IP Management
Front Panel	LCD, Alarming and Button Control
GPO	Relay Closures and Alarming
IP Data	UDP/RTP IP datastream monitoring

MPR SERIES
Radio / Television Satellite Receiver and Decoder

Ordering Options

Part No.	Ordering Suffix	Description
Frames:		
MPR		MPR 1RU Rack-Chassis, Dual Conditional Access Slots - IP and Front Panel Management, GPIO
Modules:		
MPR-BASE	MPR-BASE	MPR Frame- DVB-S/S2 Input, XLR Audio, HDMI, Analog AV out
MPR-SDI	MPR-SDI	MPR Frame - DVB-S/S2 Input, HD/SD-SDI, HDMI, Analog AV out
MPR-IP	MPR-IP	MPR Frame - DVB-S/S2 Input, IP in/out, SDI,HDMI, Analog AV out
Optional Modules		
-SAT2	MPR-XXX-SAT2	Dual DVB-S/S2 Tuner Module
-T	MPR-XXX-T	MPR DVB-T/T2 Tuner Module
-T2	MPR-XXX-T2	Dual DVB-T/T2 Tuner Module
-C	MPR-XXX-C	DVB-C Tuner Module
-C2	MPR-XXX-C2	Dual DVB-C Tuner Module
-MODT	MPR-XXX-MODT	COFDM DVB-T Modulator Output