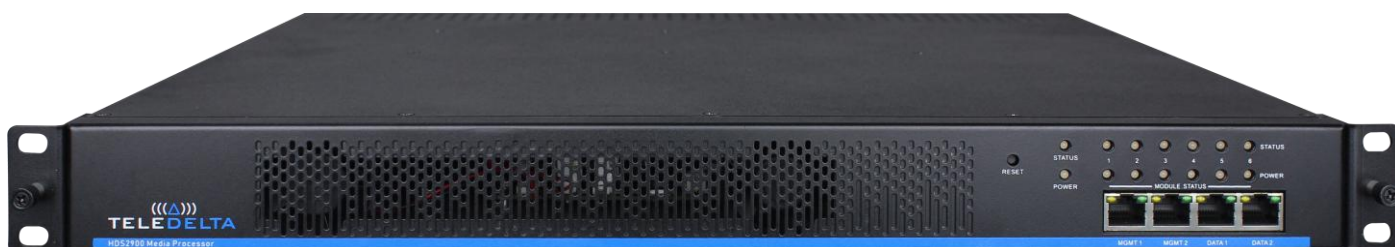


HDS2900 Media Processor

IPTV Headend for Entertainment Venues



Compact, Simple to Setup and Deploy - Introducing the pre-configured HDS2900 IPTV Headend for FTA TV and HDMI content distribution into Entertainment, Pub, Club and Commercial Venues.

The preconfigured HDS2900 MP supports Free-to-Air TV (DVB-T) along with 4x or 8x HDMI Inputs for local Digital Signage or HDMI source distribution in small to medium sized venues looking for a simple to deploy and low support cost IPTV headend solution.

Upgrading from legacy MATV or new IPTV fitouts the HDS2900 MP incorporates dual redundant power supplies and segregated IPTV streaming and management IT ports to ensure simple installation. The HDS2900 supports all FTA services in Australia and New Zealand including ABC, SBS, Seven, Nine, Ten and additional location DVB-T inputs - such as Sky Racing along with local HDMI source devices.

HDS2900 MP Key Features

- Supports Free-To-Air TV Distribution
- Onboard 4x or 8x HDMI Inputs
- 1RU Chassis with dual power supplies
- Pre-configured design to simplify installation
- Separate IPTV Streaming and Management Ports
- Remote monitoring for support and maintenance



Above: Optional IPTV decoder TeleDelta Insprite H200IP

Need Additional or Different Inputs?

No problem - The HDS2900 offers a scalable expansion path – systems come pre-configured to support DVB-T Inputs and either 4x or 8x HDMI inputs, additional HDMI, Analog, SDI inputs can be ordered along with support for Satellite DVB-S/S2, COFDM Modulators and other modules.

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



HDS2900 Media Processor

IPTV Headend for Entertainment Venues

System Topology

Inputs

- DVB-T/T2 (Free-to-Air TV) from Antenna
- 4x HDMI Inputs (Full HD)
- 8x - 16x HDMI Inputs (Optional)
- Satellite DVB-S/S2 Inputs (Optional)



HDS2900 Output
IPTV to IT Network (via ethernet cable)



IPTV (via ethernet) to end devices



Commercial, Smart,
Hospitality TV and Displays*



Dedicated Set-Top-Box
Decoders (Insprite H200IP)



Digital Signage Panels and
Displays



Projects and LED Walls

Ordering Information

HDS2900 with FTA TV (DVB-T Tuners) + 4x HDMI Inputs. 1RU Chassis with Dual Power supplies, IPTV and IP Management

Ordering Part No. HDS2900-MP-2PS-449000

HDS2900 with FTA TV (DVB-T Tuners) + 8x HDMI Inputs. 1RU Chassis with Dual Power supplies, IPTV and IP Management

Ordering Part No. HDS2900-MP-2PS-449900

Optional Inputs / Outputs Available: HDMI, Analog AV, SDI, Satellite DVB-S/S2, COFDM Modulator – Please contact your distributor / supplier for more information.

*Not all Commercial, Smart or Hospitality TV's or projects / LED walls support IPTV streaming, please check prior to ordering. If the end-device is not compatible a dedicated STB (Insprite H200IP) can be used to decode the IPTV signal for the end-device.

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

HDS2900 Media Processor

IPTV Headend for Entertainment Venues

HDS2900 Datasheet (SKU: HDS2900-MP-2PS-449000)

HDS2900 Chassis	
Chassis	1RU 19Inch Rack mount
RF Input	8x DVB-T/T2 Input Tuners + CA
HDMI Inputs	4x / 8x HDMI Inputs (MPEG Encoding)
Power	Dual Redundancy - 2x 110~240V 50~60Hz AC Mains
Operating Temperature	0 °C ~ 40 °C
Capacity	6x rear modules
Ethernet	4x Gigabit RJ45 Outputs
IPTV	MPEG.TS (SPTS / MPTS) multicast / unicast
RF (DVB-T/T2 Input) - Free-to-Air TV	
RF Input	2x F-Type Connectors 75Ohm
CAM	2x CAM-CI Slots
Tuners	4x DVB-T/T2 Tuners (per module) 2x modules per chassis
Frequency Range	47 ~ 860Mhz
Signal level	- 80 ~ - 20dBm
Constellation	DVB-T: QPSK, 16/64QAM
	DVB-T2: QPSK, 16, 64,256QAM
Guard	DVB-T: 1/4, 1/8, 1/16, 1/32
	DVB-T2: 1/8, 1/16, 1/32, 1/128
FFT Size	DVB-T: 2K, 8K
	DVB-T2: 8K, 16K, 32K
HDMI Input (4x / 8x HDMI)	
Input	4x HDMI Inputs (per module)
Encoding	H.264 / H.265
Input Resolutions	1080i @ 50/59.94/60
	1080P @ 25/29.97/ 30/50/59.94/60
	720P @ 50/59.94/60
Output Resolutions H.264	1080P @ 25/29.97/ 30/50/59.94/60
	720P @ 50/59.94/60
Bitrate Control	CBR
Video Bitrate	0.6Mbps - 12Mbps (per channel)
Aspect	16 x 9
Audio	MPEG-1 Layer II (Optional AC3, AAC)
Audio Bitrate	32 ~ 192 Kbps
Audio Level	-20 ~ 20dB
* SD encoding is not support on this 4x HDMI module - please contact for more information	
* Output video resolution must be the same across all 4x HDMI streams	



Above: HDS2900-MP-2PS-44900 (4x HDMI Configuration)

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

