



HDS2800 Series Encoder/Modulators

For HD Digital TV and IPTV Distribution of Audio/Video Content

The TeleDelta HDS2800 series allows centralised distribution of high definition (HD) and standard definition (SD) audio/video content to all digital capable televisions and displays within your home, office or venue.

The HDS2800 series will distribute up to full HD 1080p/1080i/720p/720i and SD content to your televisions and displays throughout your venue, with no additional hardware or equipment required.

Input multiple sources including DVD/Blu-ray players, Computers, Pay TV Set-top-Boxes, Digital Signage Devices and Satellite TV via HDMI, VGA, Analogue Component, Composite Video, DVB-S/S2/T and digital or analogue audio.

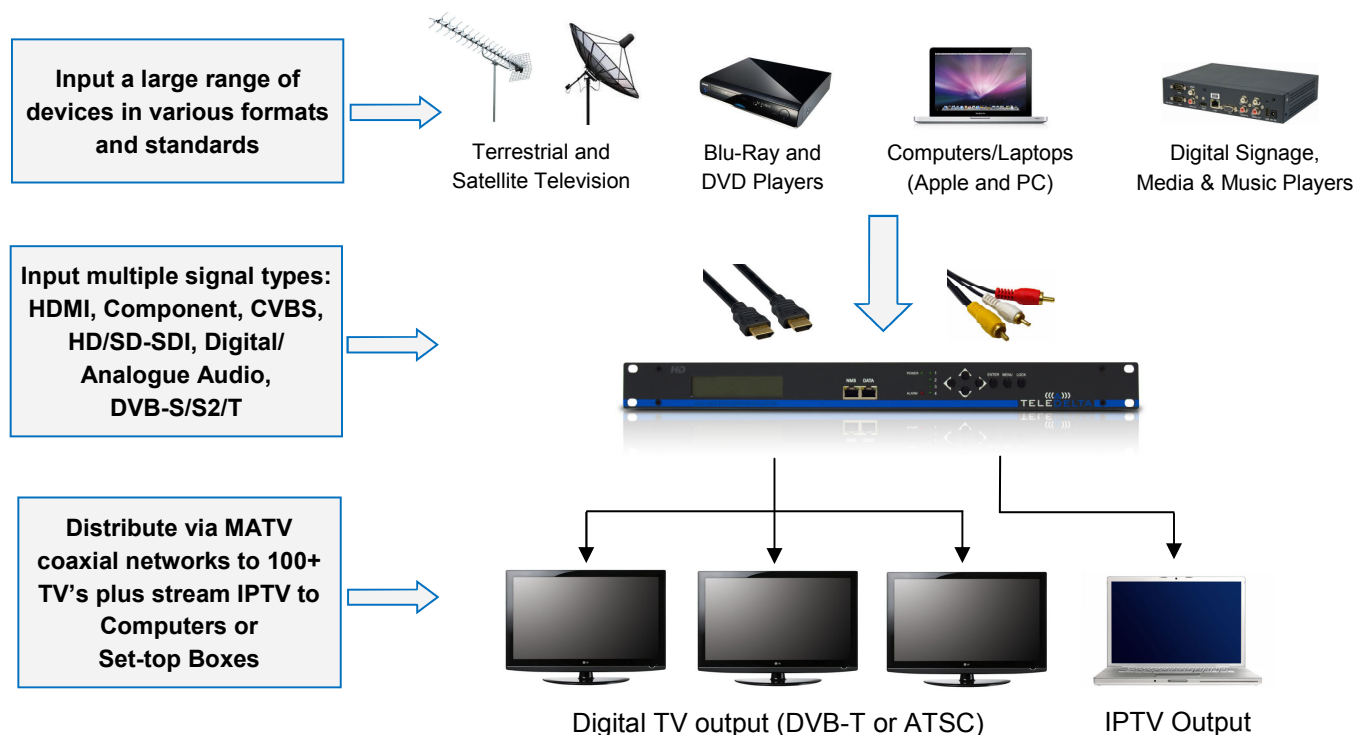
Utilising new or existing TV antenna coaxial cabling within your venue the HDS2800 generates a DTV channel which is distributed (along-side your existing TV channels), users can simply use their channel up/down buttons to select which channel they want to view.

The HDS2800's professional design and long-life components have been built for 24/7 hassle free operation, the simple front panel display provides user feedback and local adjustment, along with remote web-based management.

Full HD
1080



Deployment



Key Features

- Supports up to full HD 1920x1080 resolution Video Sources.
- Choose your input options: HDMI, HD-SDI, SD-SDI, Component, Composite, VGA, ASI and DVB.
- Combination Encoder and DVB-T COFDM modulator in 1 rack frame.
- IP Streaming Output (Unicast/Multicast).
- Supports HDCP, LCN assignment, NIT table and RF Modulation adjustment.
- Excellent modulation quality; MER >42 dB
- High Power RF output –98 dBuV (-10 dBm)
- Adjustable RF Output Frequency 30-960 MHz

Common Applications

- New build or existing MATV Networks
- IP Video/Audio Distribution
- DVB-T Content Re-broadcast
- Security/CCTV Video Monitoring
- Digital Signage Distribution
- In-home Entertainment
- Bars, Restaurants and Cafes
- Sports Venues
- Hotels/Function Centres

Architects & Engineers Specifications

The TeleDelta HDS2800 series is a combination digital encoder and UHF DTT (digital terrestrial television) modulator for digital audio and video signal transmission. Modular in design and configuration the HDS2800 will accept input from restricted HDCP content, up to 4x Inputs per chassis via HDMI, VGA, Component, Composite, Satellite and Digital/Analogue Audio.

The HDS2800 series will encode these signals using either MPEG-2 or MPEG-4 (H.264) standards at a constant bit-rate (CBR) which can be freely adjusted between 2.00 Mbps and 14.00 Mbps per input. Audio signals are encoded using the MPEG-1/L2 standard, (AAC is optional). The encoder audio and video signals can be distributed from the HDS2800 as either modulated digital television or UDP streaming IPTV. The HDS2800 outputs digital television in both the European and North American standards DVB-T and ATSC depending on country of operation.

The HDS2800 outputs an IPTV stream for content viewing in the form of an MPTS UDP IP data-stream to IP enabled compatible receiving devices.

Management and control of the HDS2800 series is via a front panel LCD display with navigation buttons or via a web-based remote management GUI for advanced monitoring and control.

The HDS2800 comes in three form factors: a wall-mount frame, accepting one encoder input card; a 1 RU rack-mount frame (240mm deep), accepting two encoder input cards; and a 1 RU long form rack-mount frame (390mm deep), also accepting two encoder input cards.

The HDS2800 runs cool in operation, the internal components are rated for 24/7 continuous operation.

