

HDS2800 Series Encoder/Modulators

Product and Ordering Information



The TeleDelta HDS2800 Series platform is a cost effective range of combination high-definition Audio & Video Digital Encoders and COFDM DVB-T (Terrestrial) Modulators (*ATSC output optional), Supporting both MPEG2 and H.264 (MPEG4) encoding formats.

Now you can distribute audio and video in resolutions ranging from analogue SD up to full HD 720p/1080i/1080p over your existing MATV coaxial or IP networks without having to rewire your facility.

Modular in design the HDS2800 platform allows you to configure your system as required; choose from a range of input format types and your required distribution methods; COFDM DVB-T, Unicast/Multicast IP or ASI.

Key Features

- Supports up to full HD 1920x1080 resolution Video Sources
- Selectable MPEG2 or H.264 Encoding
- Choose your input options: HDMI, HD/SDSDI, 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

HDS2800 Series - HD Digital Encoder & COFDM DVB-T Modulator



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

Built to Your Requirements

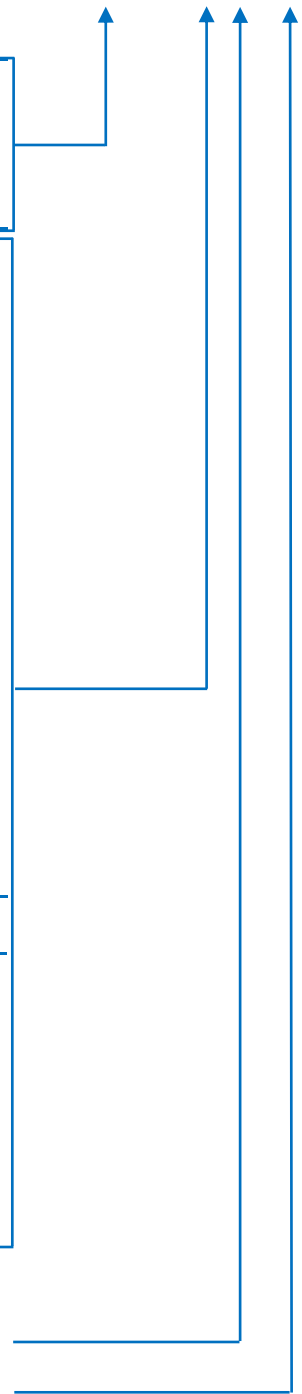
The TeleDelta HDS2800 series products are modular in design allowing each system to be individually built to suit your application. Both MPEG-2 and MPEG-4 HD configurations are available. Small systems can adopt the simple wall mount frame and larger multi-input systems the 1 RU rack-mount frame.

Larger systems (4 or more inputs) can be configured with their COFDM DVB-T output to be spaced across one or more RF Channels to maximise video bandwidth and overall quality.

How to Order

HDS2800-XXY-ASI

Format:	HDS2800	1 RU Encoder/Modulator Frame, 1 DVB-T* RF + IP out
	HDS2802	1 RU Encoder/Modulator Frame, 2 DVB-T* RF + IP out
	HDS2803	1 RU Encoder/Modulator Long Frame, 2 DVB-T* RF + IP out
Input Modules for HSD2800 / HDS2802 Chassis:	0	Blank/Empty Module Slot
	2	Single HD/SD-SDI Input MPEG-2/4 (H.264) Encoder Module
	4	Dual CVBS+Stereo Audio MPEG-2 Encoder Module (includes RCA-BNC cable) (obsolete use module H)
	5	Single HDMI Input MPEG-2/4 (H.264) Encoder Module (obsolete use module G)
	9	DVB-S/S2 Satellite Tuner Module
	F	Dual DVB-S/S2 Satellite Tuner Module with Conditional Access Slot
	G	Single HDMI/VGA+Stereo Audio Input MPEG-2/4 Encoder Module
	H	Dual CVBS/YPbPr/S-Video MPEG2 Encoder Module
	I	Dual Conditional Access Slot (CA - DVB-S/S2)
	J	Dual DVB-T/T2 Input
Input Modules for HDS2803 Chassis	0	Blank/Empty Module Slot
	7	Dual HDMI Input MPEG-2/4 (H.264) Long Frame Module
	8	Dual 3G/HD/SD-SDI Input, MPEG-2/4 (H.264) Long Frame
	K	8x HDMI Input, MPEG-4 (H.264 Only) - non modular chassis
	L	8x 3G/HD/SD-SDI Input, MPEG-4 (H.264 only) - non modular
Frame Type:	R	1 RU Rack-Mount type (supports 2 Input Modules)
ASI Option:	-ASI	ASI in/MUX/out Interface option



* ATSC RF output option is available for the HDS2800 Series.

Examples:

1. **HDS2803-88R** is a 1U rack-mount Encoder, with 4 HD/SD-SDI inputs with 2 DVB-T RF + 1 IP output.
2. **HDS2802-GGR** is a 1U rack-mount Encoder, with 2HDMI/ VGA inputs and 2 DVB-T RF + 1 IP output.

