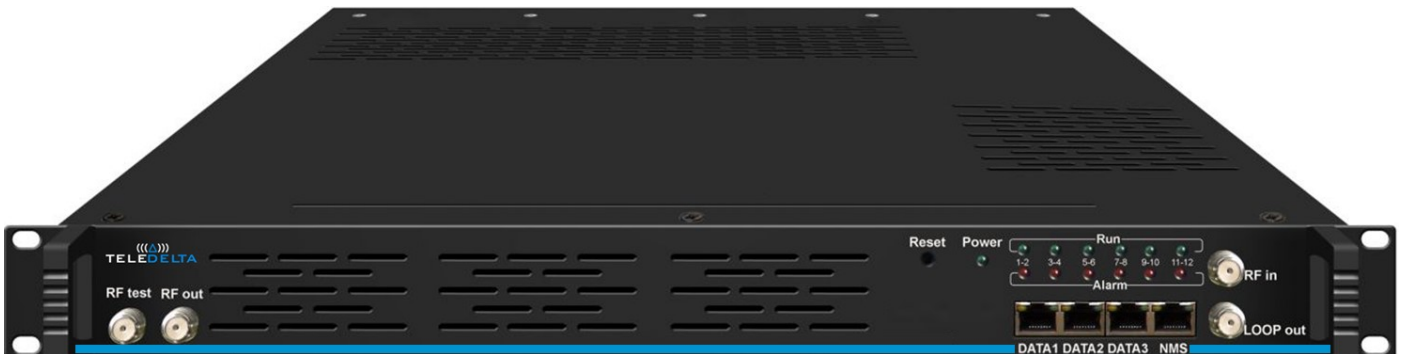


# HDS2804-HDMI-X

High Density H.264 HDMI Encoder - DVB-T + IP Output

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The TeleDelta HDS2804-HDMI-X is a high density 1RU professional rack-mount H.264 (MPEG-4) HDMI Encoder, with capacity to encode between 4 and 24 HDMI Inputs (in increments of 4HDMIs) along with up to 256 SPTS IP transport stream inputs for IP to DVB-T distribution.

The HDS2804-HDMI-X Incorporated 8x DVB-T COFDM DVB-T outputs for digital television distribution, along with 8x MPTS IP (multiprogram) IP transport stream outputs for IPTV delivery (UDP or RTP).

Optional functions of logo insertion, and on-screen messaging are available on the HDS2804-HDMI-X platform making the HDS2804-HDMI-X a low-cost per channel headend encoding solution.

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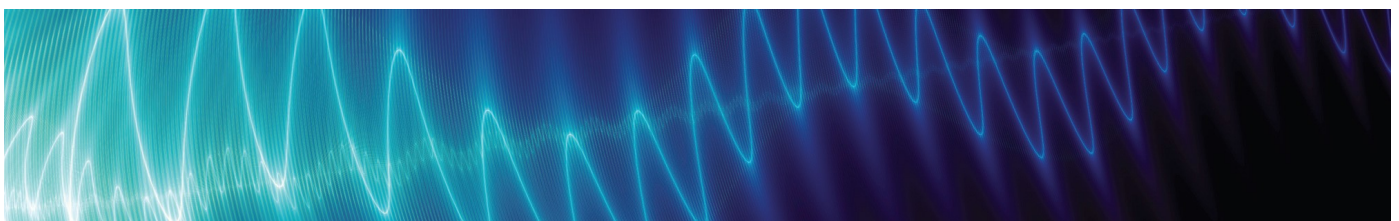
## Common Applications

- Hotel IPTV / Digital TV
- Broadcast Head-ends
- Gaming and Casino Venues
- Stadiums and Sports Bars
- Pubs / Clubs and Restaurants
- IPTV Headend
- Digital TV Headend

## HDS2804-HDMI-X Features

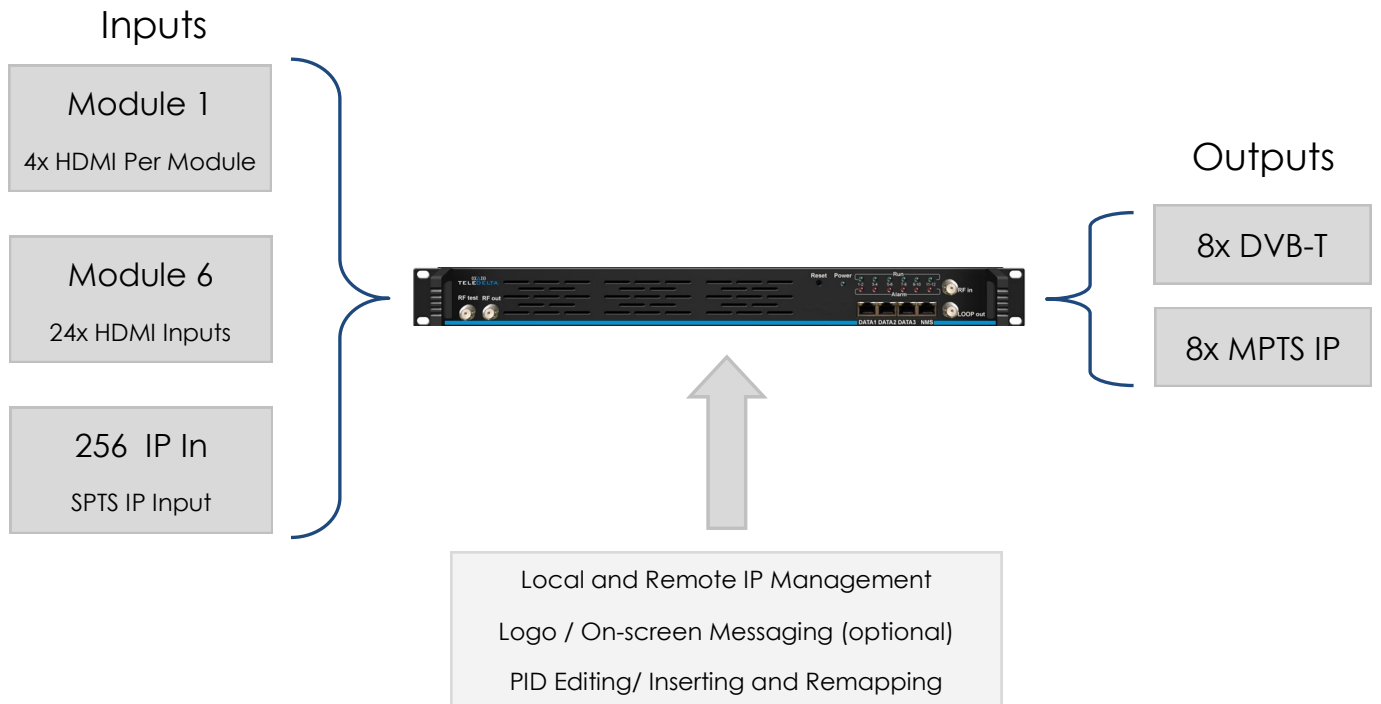
- Ingest up to 24x HDMI Inputs
- Supports 6x 4HDMI Input Modules
- Ingest up to 256 IP (SPTS) streams
- H.264 (MPEG-4 Video Encoding)
- Selectable Bit-rate encoding
- MPTS IP transport Stream output
- UDP / RTP IP Input support
- Remote IP management
- Onscreen Logo / Messaging (optional)

For more information please contact your local distributor or [sales@teledelta.com](mailto:sales@teledelta.com)



# HDS2804-HDMI-X

High Density H.264 HDMI Encoder - DVB-T + IP Output



*HDS2804-HDMI-12 Back panel shown above*

### Ordering Information

<b>HDS2804-HDMI-X</b>	1RU HDS2804-HDMI-X Chassis, incorporating, H.264 (MPEG-4) video encoding, MPEG1 L2 Audio encoding. 8x HDMI Input Module Slots, 256x IP (SPTS) Inputs. 8x DVB-T COFDM Modulator options (user configurable) - 8x MPTS IP Transport Stream output. Local and Remote IP management.
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**Replace the X with the below value to represent the number of required HDMI Inputs**

X = 4	1x Input Module with 4x HDMI Inputs (total)
X = 8	2x Input Modules with 8x HDMI Inputs (total)
X = 12	3x Input Modules with 12x HDMI Inputs (total)
X = 16	4x Input Modules with 16x HDMI Inputs (total)
X = 20	5x Input Modules with 20x HDMI Inputs (total)
X = 24	6x Input Modules with 24 x HDMI Inputs (total)

For more information please contact your local distributor or [sales@teledelta.com](mailto:sales@teledelta.com)



# HDS2804-HDMI-X

High Density H.264 HDMI Encoder - DVB-T + IP Output

## Hardware Configuration

Input (HDMI)	
Physical	4 ~ 24 HDMI Inputs
Modules	1 ~ 6 Modules (4x HDMI Inputs per module) * Please note modules are fixed (non-removable)
Video Encoding	MPEG4 (H.264)
Audio Encoding	MPEG1 Layer 2

Input (IP)	
Physical	RJ45 (Front Panel– DATA1)
Number	Up to 256 IP Transport Stream Inputs
Format	Support for UDP / RTP IP Transport Stream Input

Program Encoding (HDMI)	
Encoding Format Video	MPEG4 (H.264)
Bitrate	User selectable between 1Mbps ~ 13Mbps
Rate	Constant (CBR) or Variable (VBR)
Audio Encoding Format	MPEG 1 Layer 2
Sample Rate	48KHz
Resolution	24-Bit
Bitrate	64, 128, 192, 256, 320, 384kbps

DVB-T Output	
Carriers	8x DVB-T COFDM Output carriers
RF Frequency	70 ~ 960 Mhz
Power	-20 ~ 10 dB, (87~117 dbuV)
Bandwidth	6, 7, 8 Mhz
FFT	2K, 4K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard Intervals	1/4, 1/8, 1/16, 1/32
FEC	1/2, 2/3, 3/4, 5/6, 7/8
MER	>42 dB
Bitrate	64, 128, 192, 256, 320, 384kbps

IP Output	
Physical	RJ45 (Front Panel)
Format	8x MPTS IP Outputs (Mirror of COFDM DVB-T carriers)

Management	
IP Management	Front Panel RJ45 - Internal WEB GUI
Dimensions	1RU Rack mount 480 x 453 x 42mm
Power	110~240V 50/60Hz
Consumption	25W

For more information please contact your local distributor or [sales@teledelta.com](mailto:sales@teledelta.com)

