

MPX-HDMI-DVBT

Inputs Video Audio, via HDMI



£99.00

Full HD
1080

1080p & 1080i encoding

HDMI Encoding Section

Video	Encoding	H.264 MP@L 3.0/3.1/4.0
Resolution	Input	Output
	480@59.94/60p	480@60p
	480@59.94/60i	480@30p
	576@50i	576@25p
	720@50/59.94/60p	720@50/59.94/60p
	1080@50i	1080@25p
	1080@59.94/60i	1080@30p
	1080@59.94/60p	1080@30p
Aspect Ratio	16:9, 4:3	
Bit rate	1,000~18,000 Mbps	
Audio	Encoding	MPEG1 layer 2
Sample rate	48KHz	
Bit rate	64, 96, 128, 192, 256, 320kbps	

DVB-T Modulator Section

Standard	DVB-T COFDM
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission Mode:	2K, 8K
MER	≥31dB
RF frequency	150~950 MHz, 0.1KHz step
RF output level	-47~0 dBm (60~107 dBμV), 1db step

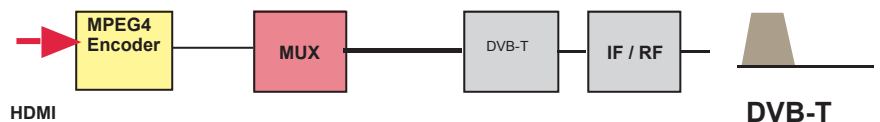
System

RF mix in ATT	10 dB
Management	Local LCD + control buttons
Upgrade	USB

General

Power supply	DC 12V
Dimensions	183*110*50mm
Weight	< 1kg

Crisp Clear HD pictures
on large screen TV



MPEG 4 (H264) Encoder

PSU Included

For MPEG 2 Encoding see page 40-45

HDMI sources sometimes have HDCP, (High bandwidth digital protection) that sometimes restricts use.

Use a HDMI splitter to overcome, using a splitter will usually block the HDCP encryption, see Wikipedia, HDCP

OK with most set top boxes

Suitable for streaming

MPEG 4 (H264) HDMI DVB-T Modulators

8 HDMI inputs in one, 1 U rack

High definition or Standard definition encoder. DVB-T COFDM modulator. 30-860MHz

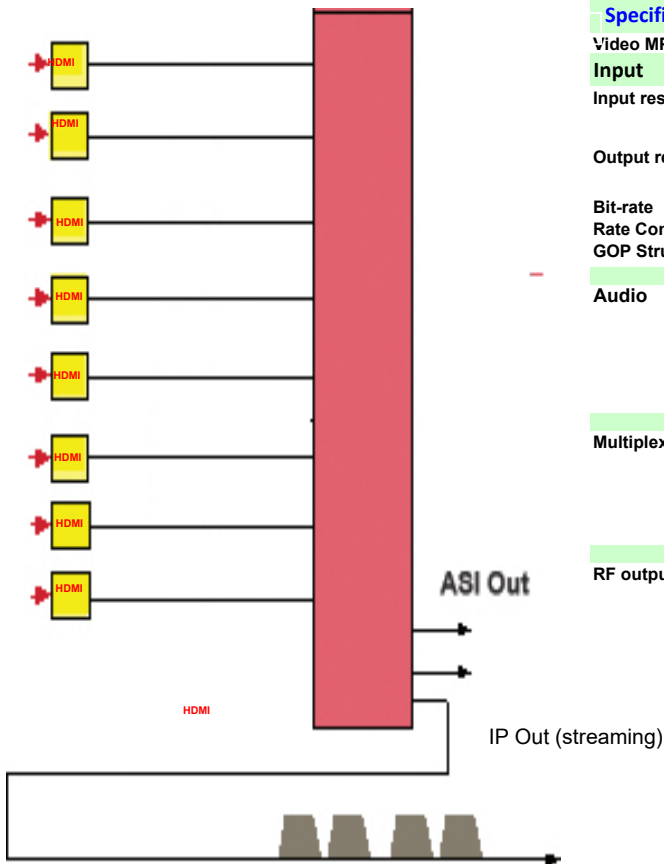
Output Includes IP, into standard local area network.

Costs less than **£104.00** per HD/SD TV programme

Set up and control via web management



MPX-HD/SDI 8DVBT,R HDMI B MPEG 4 Eightfold, Encoder ,rack mounted 8 x HDMI inputs £825.00



Specifications

Video MPEG4 H264

Input 8 HDMI Inputs

Input resolutions	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,
Output resolutions	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,
Bit-rate	1Mbps~13Mbps each channel
Rate Control	CBR/VBR
GOP Structure	IP...P (P Frame adjustment, without B Frame)

Audio	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-255 Adjustable
	Bit-rate	64kbps, 128kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps

Multiplexing	Maximum PID	180 input per channel
	Remapping	
	Function	PID remapping (automatically or manually)
	Maximum simulcrypt CA	Accurate PCR adjusting, Generate PSI/ SI table automatically

RF output Options	DVB-C	QAM	16 non-adjacent carriers output (maximum bandwidth 192MHz)
		Standard	EN300 429/ITU-T J.83A/B
		MER	≥40db
		RF frequency	50~960MHz, 1KHz step
		RF output level	-20~+10dbm (87~117 dbμV), 0.1db step
		Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping
			J.83A J.83B
		Constellation	16/32/64/128/256QAM 64/256 QAM
		Bandwidth	8M 6M

DVB-T	QPSK, 16QAM, 64QAM	Maximum 8 non-adjacent carriers.
	Standard	EN300744
	FFT mode	2K,4K, 8K
	Bandwidth	6M, 7M, 8M
	Guard Interval	1/4, 1/8, 1/16, 1/32
	FEC	1/2, 2/3, 3/4, 5/6, 7/8
	MER	≥42 dB
	RF frequency	50~960MHz, 1KHz step
	RF output level	-20~ +10 dBm (87~117 dbμV), 0.1db step

Stream output	1000M Base-T Ethernet interface
Power	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

For low latency applications use MPEG 2 Encoding, MPEG2 Encoding occupies more bandwidth and consequently needs less compression.

Prices plus VAT

HDMI input is sometimes unable to capture from some copy protected HDMI sources, such as blue ray players, if HDCP encryption is embedded in the video /audio stream, doesn't normally apply to set top boxes or normal DVD player. HDCP strippers or HDMI splitters are available from other vendors.