

4EHD14 4 in 1 MPEG-4 AVC/H.264 HD Encoder



Outline:

The TELECAST 4EHD14 encoder is a professional HD audio & video encoding and multiplexing device with powerful functionality. It has 4 channel HDMI input interfaces, supporting MPEG4AVC/H.264 High Profile code format. This device can simultaneously encode 4 channel HD programs; moreover, it has an ASI input and can multiplex the input TS with the 4 encoded SPTS to generate a MPTS output. Also, the PSI/SI information can be inserted into MPTS output. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.



Features:

H.264/AVC High Profile Level 4.0 video encoding support, advanced video pretreatment algorithm

Audio MPEG1 Layer 2, AAC(optional)

4 channel HDMI inputs, 1 ASI input supports multiplexing

Real-time effective output bit-rate monitoring

720P, 1080I HD video format support

MPTS ASI output

MPTS over UDP unicast/multicast output

LCD / keyboard operating

NMS support



Specifications

Input	4×HDMI inputs (version 1.3a)	
	1×ASI input, BNC interface	
Video	Resolution	1920×1080_60i, 1920×1080_50i
		1280×720_60p, 1280×720_50p
	Encoding	MPEG4 AVC/H.264 High Profile Level 4.0 for HD
	Bit-rate	0.8Mbps~20Mbps (each channel)
	Rate Control	CBR/VBR
	GOP Structure	IBBP
	Advanced Pretreatment	De-interlacing, noise reduction, sharpening
Audio	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz, 44.1KHz, 32KHz
	Resolution	24-bit
	Bit-rate	64Kb/s~384Kb/s each channel

Multiplexing		1×ASI input multiplexed with 4 encoding channel SPTS
Stream output		2×ASI outputs, BNC interface
		MPTS over UDP, 10/100Base-T Ethernet interface (UDP unicast / multicast)
System function		LCD/keyboard operating, NMS support Chinese-English control interface
		Ethernet software upgrade
General	Dimensions (W×D×H)	482mm×455mm×44.5mm
	Approx weight	4.8Kg
	Temperature range	0~45°C (Operating), -20~80°C (Storage)
	Power Requirements	AC 110V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Power consumption	25W