

## ED42

### 2 in 1 MPEG-2/H.264 HD Encoder



#### Product Overview

ED42 is a professional HD/SD audio & video encoder which has 2 channels of SDI, HDMI or YPbPr+HDMI+CVBS input modules (optional) for MPEG-2 and MPEG-4 AVC/H.264 video encoding. It is also equipped with 1 ASI input for re-mux. The 2 encoded programs will output through 1 group of ASI ports or IP ports in 1 MPTS or 2 SPTS. It adopts pluggable design to make it conveniently change encoding module (SDI/HDMI/YPbPr+HDMI+CVBS) as needed.

#### Key Features

- MPEG2 & MPEG4 AVC/H.264 HD video encoding
- Support CC (closed caption ), EIA 608, EIA 708 and Line 21 for SDI encoder board
- SDI/HDMI/YPbPr+HDMI+CVBS input module optional, pluggable and changeable encoding modules
- Support Low Delay function
- Support PSI/SI editing and inserting
- Supports IP null packet filter

- ASI output (mirror out as 1 MPTS or 2 SPTS), IP (1 MPTS & 2 SPTS) output over UDP, RTP/RTSP
- LCD display, Remote control
- Web-based NMS management; Updates via web

## Specifications

<b>SDI Input</b>	Video	Encoding	MPEG2; MPEG4 AVC/H.264
		Input	SDI*1
		Bit Rate	1-19.5Mbps
		Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only)  1920*1080_60i, 1920*1080_50i,  1280*720_60p, 1280*720_50P  720*480_60i, 720*576_50i
		Low Delay	Normal, Mode 1, Mode 2
		Chroma	4:2:0
		Aspect Ratio	16:9,4:3
Audio	Sample Rate	48KHz	
	Bit Rate	64/96/128/192/256/320k bps	
<b>HDMI Input</b>	Video	Input	HDMI*1 (with one for backup)
		Encoding	MPEG2; MPEG4 AVC/H.264
		Bitrate	1-19.5Mbps
		Resolution	1920*1080_60P, 1920*1080_50P,  (-for MPEG4 AVC/H.264 only)  1920*1080_60i, 1920*1080_50i,  1280*720_60p, 1280*720_50P  720*480_60i, 720*576_50i
		Low Delay	Normal, Mode 1, Mode 2

		Chroma	4:2:0
		Aspect Ratio	16:9,4:3
	Audio	Sample rate	48KHz
		Bitrate	64/96/128/192/256/320k bps
<b>HDMI/YPbPr/ CVBS 3-in-1 Input (under developing)</b>	Video (HDMI)	Encoding	MPEG2; MPEG4 AVC/H.264
		Input	HDMI*1
		Bitrate	1-19.5Mbps
		Resolution	1920*1080_60P, 1920*1080_50P, -for MPEG4 AVC/H.264 only) 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i
		Low Delay	Normal, Mode 1, Mode 2
		Chroma	4:2:0
		Aspect Ratio	16:9, 4:3
	Audio (HDMI)	Input	HDMI*1
		Sample rate	48KHz
		Bitrate	64/96/128/192/256/320k bps
	Video (YpbPr/ CVBS)	Encoding	MPEG2; MPEG4 AVC/H.264
		Input	YpbPr*1 / CVBS *1
		Bitrate	1-19.5Mbps
		Resolution	CVBS: 720x576_50i (PAL); 720x480_60i (NTSC) YpbPr: 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P
		Low Delay	Normal, Mode 1, Mode 2
		Chroma	4:2:0

	Audio (YpbPr/ CVBS)	Aspect Ratio	16:9, 4:3
		Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC and Dolby Digital AC3 2.0
		Interface	1*Stereo/2*mono
		Sample rate	48KHz
		Bit rate	64/96/128/192/256/320k bps
<b>General</b>	System	Local interface	LCD + control buttons
		Remote management	Web NMS
		Stream In	1 ASI in for re-multiplexing
		Stream Out	2 ASI out (BNC type, same one TS, mirror as MPTS or SPTS)
			IP (1 MPTS & 2 SPTS) over UDP, RTP/RTSP (RJ45, 1000M)
		DATA Port	1000M
		NMS interface	RJ45, 100M
	Language	English	
	Physical Specification	Power supply	100~240VAC, 50/60Hz
		Dimensions	482*300*44mm
Operation temp		0~45°C	