

Doteck

Doteck R2 Series

H.264/MPEG-2 HD/SD-SDI Encoder



Features

- (1) Support H.264/AVC, MPEG-2 high profile level 4.0 video coding
- (2) Support HD/SD-SDI, HDMI, CVBS signal input
- (3) Support full hardware ASI and IP output(TS over IP)
- (4) Support 1080p30/25, 1080i, 720p, 576i, 480i video format input
- (5) Output bit rate can be adjust continuously, easy to operate
- (6) Support a variety of interface input and output
- (7) SDT insert
- (8) Support LCD display, front panel button operation and remote Web network management control
- (9) Automatic recognition signal is supported without manual selection
- (10) High reliability design, stable operation
- (11) Double switch power supply design, wide voltage range, power supply system for a long time reliable work

Introduction

Doteck R2 series H.264/MPEG-2 HD encoder is a kind of easy to operate and powerful encoder. Support SDI, CVBS, HDMI signal interface input, real-time coding of audio and video through the encoder to form a multiplexed code stream(MPTS), the output interface is IP and ASI, fully comply with

H.264/MPEG-2 standard, has strong compatibility, mainly used in cable TV front end and IPTV live broadcast system HD signal relay.

Technical Specifications

Input interface	
HD/SD-SDI	BNC 75 Ω
HDMI	HDMI 1.3
CVBS	BNC 75 Ω
Resolution	1080p30/25 1080i60/50 720p60/50/30 576i50, 480i60
Output interface	
ASI	BNC 75 Ω DVB-ASI standard
IP	RJ45(1000M), IP/UDP
Video encoding	
Video encoding format	H.264/AVC, MPEG-2
Bit rate	2Mbps-20Mbps
Rate control	CBR, VBR
GOP structure	IBBP
Audio encoding	
Sample rate	32KHz, 44.1KHz, 48KHz
Bit rate	64K, 128K, 192K, 256K, 384Kbps
Audio encoding format	MPEG-1 layer 1/2, AAC
Channel	Mono, stereo
Control	
Management	Web-based remote network management software
Management interface	RJ45(100M)
LCD display	1
Operation buttons	6
Physical	
Dimension(H \times W \times D, mm)	44 \times 433 \times 343(mm)
Operation temperature	0-50 $^{\circ}$ C
Relative humidity	0-95%, non-condensing
Power supply	130-260VAC, 50/60Hz

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