

# Doteck

## Doteck R3 Series

### H.264/AVC HD/SD-SDI Encoder



#### Features

- (1) Support H.264/AVC 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 R3 series H.264/AVC 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/AVC

standard, has strong compatibility, mainly used in cable TV front end and IPTV live broadcast system HD signal relay.

### Technical Specifications

<b>Input interface</b>	
HD/SD-SDI	BNC 75 $\Omega$
HDMI	HDMI 1.3
CVBS	BNC 75 $\Omega$
Resolution	1080p30/25 1080i60/50 720p60/50/30 576i50, 480i60
<b>Output interface</b>	
ASI	BNC 75 $\Omega$ DVB-ASI standard
IP	RJ45(1000M), IP/UDP
<b>Video encoding</b>	
Video encoding format	H.264/AVC
Bit rate	2Mbps-20Mbps
Rate control	CBR, VBR
GOP structure	IBBP
<b>Audio encoding</b>	
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
<b>Control</b>	
Management	Web-based remote network management software
Management interface	RJ45(100M)
LCD display	1
Operation buttons	6
<b>Physical</b>	
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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