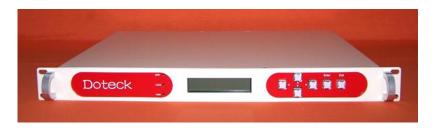


## **Doteck R2 Series**

## 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**

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



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