

Doteck

Doteck RU Series

12G-SDI UHD Video Encoder Transcoder



Features

- (1) Standard 1U case, advanced CPU and GPU co-coding and transcoding technology are adopted
- (2) Embedded Web Server supports unified configuration management after remote Web page login
- (3) Support MPEG-2, H.264/AVC, H.265/HEVC, AVS2 video encoding format
- (4) Support MPEG-1 layer 2, MPEG-1 layer 3, AAC 2.0, Dolby Digital 2.0/5.1, Dolby Digital Plus 2.0/5.1 audio encoding format
- (5) Support two video acquisition methods: 1-channel 12G/ 6G-SDI or 4-channel 3G/HD/ SD-SDI
- (6) Support SDI video 2160P, 1080P, 1080i, 720P, 576i, 480i format input
- (7) Support SPTS, MPTS over UDP, FLV over RTMP transmission stream IP input
- (8) Support UDP/RTP/RTSP/RTMP/MMS/HTTP/HLS agreements such as the output
- (9) Support 1-channel ASI input and output
- (10) Support the output video stream delay Settings, delay time 0-120 seconds custom
- (11) Support internal multiplexer, which can multiplex SPTS program stream after multiplexing and transcoding into MPTS program stream

(12) Support two gigabit Ethernet ports, can be flexible configuration of IP program input and output physical channels

(13) Stable operation of the equipment, supporting 7x24 hours uninterrupted work

(14) Support the customization of software functions such as tabular superposition and multi-screen splicing

Introduction

Dotek RU series 12G-SDI UHD Encoder Transcoder adopts standard 1U chassis structure, is a high quality broadcast audio and video real-time Encoder Transcoder product. This product not only has the traditional MPEG2, H.264 video Encoding and Transcoding ability, but also supports the latest international video standard H.265 and China's independent intellectual property rights video standard AVS2.

Dotek RU series 12G-SDI UHD Encoder Transcoder can compress 1-channel 12G-SDI / 6G-SDI or 4-channel 3G/HD/SD-SDI digital video via powerful CPU+GPU cooperative coding module into any of the above mentioned video encoding formats in real time, and can also convert 1-channel 4K IP input stream or 4-channel HD IP input stream or 16-channel SD input steam in real time.

Technical Specifications

SDI Input	
SDI signal format	12G/6G/3G/HD/SD-SDI
channel	1-channel 12G-SDI / 6G-SDI or 4-channel 3G/HD/SD-SDI
Video format	2160p60、2160p30 1080p60、1080p30 1080i60、1080i50 720p60、720p50 576p25、480p30 576i50、480i60
Interface	BNC 75Ω
Video encoding	
Video encoding format	MPEG2、H.264/AVC、H.265/HEVC、AVS2
Rate	1.0~50.0Mbps
Rate model	CBR, VBR
Video pretreatment	De-interleaving

Audio encoding	
Audio encoding format	MPEG-1 layer 2, MPEG-1 layer 3, AAC 2.0, Dolby Digital 2.0/5.1, Dolby Digital Plus 2.0/5.1
Sampling rate	48KHz、44.1KHz、32KHz
channel	Mono, stereo, 5.1 channel
Rate	64Kbps~512kbps
ASI Input	
Standard	DVB-ASI Standard
Format	MPEG2、H.264/AVC、H.265/HEVC、AVS2
Interface	BNC 75Ω
ASI Output	
Standard	DVB-ASI Standard
Format	MPEG2、H.264/AVC、H.265/HEVC、AVS2
Interface	BNC 75Ω
IP stream Input	
Input interface	RJ45
Rate	1000Mbps
Stream format	MPEG2、H.264/AVC、H.265/HEVC、AVS2
Network protocol	UDP、RTMP
Transport stream format	SPTS、MPTS、FLV
IP stream Output	
Input interface	RJ45
Rate	1000Mbps
Stream format	MPEG2、H.264/AVC、H.265/HEVC、AVS2
Network protocol	UDP、RTP、RTSP、RTMP、MMS、HTTP、HLS
Transport stream format	SPTS、MPTS、FLV
Control	
Remote WEB management	Remote network management based on WEB pages
Physical	
Dimension(H × W × D, mm)	44×433×340 (mm)
Temperature	0~45℃ (Operation) ; -20~80℃ (Storage)
Power Supply	130-260VAC, 50-60Hz

Doteck

Doteck Digital Technologies

Room 19D, 11A, 11B, 11D, Building 2, International Incubation Zone, No. 2, Shangdi Info Road, Haidian District, BEIJING, CHINA,

Postcode:100085

e-mail: Doteck@126.com

Tel: +86-10-62120151

FAX: +86-10-82893162

Mobile: +86-13910290608

Contact: LI XINJIAN

Welcome to visit our website for more info: www.Doteck.com