

Doteck

Doteck C2110 Series

ST 2110 IP and 12G-SDI 4K UHD Transmission Converter



Features

- (1) Industrial grade 19 inch 1U standard equipment with built-in dual power supply
- (2) Web-based remote network management software
- (3) Support two 10GBE or 25GE SFP fiber bidirectional link interfaces
- (4) Support 1-channel 12G-SDI, 2-channel 6G-SDI, or 4-channel 3G/HD/SD-SDI input and output
- (5) Support 2160p, 1080p, 1080i, 720p, 576i, 480i video input
- (6) Support SMPTE ST2110 standard protocol, including SMPTE ST2110-10/20/30/40
- (7) Support SMPTE 2022-7 A/B seamless switching protection protocol
- (8) Signal interface can be customized and configured to receive or send working modes (SDI-IP or IP-SDI)
- (9) Support SMPTE 2059 PTP clock timing
- (10) Support all mainstream browser interfaces for managing devices
- (11) Support real-time display of running status, logging and other functions

Introduction

Dotek C2110 series ST 2110 IP and 12G-SDI 4K UHD transmission converter adopts standard 1U chassis structure, and is a high-quality broadcast grade uncompressed IP stream gateway conversion product. This product is based on the SMPTE ST2110 protocol and can support 1-channel 4K SDI signal (2160p, 12G/2SI or 4x3G) or 4-channel 3G/HD/SD-SDI signal to IP signal mutual conversion. Each SDI channel interface can be freely defined as receiving or sending, maximizing device utilization. The device is configured with two 10G/25G SFP bidirectional fiber channels, which can be configured for receiving or sending. Support PTP clock timing, remote configuration, control, and monitoring on web pages. Flexible configuration, stable operation, and can be widely used in situations such as studios, broadcast vehicles, and broadcast rooms.

Technical Specifications

SDI signal	
SDI signal format	12G/6G/3G/HD/SD-SDI
Channel	1-channel 12G-SDI, or 2-channel 6G-SDI, or 4-channel 3G/HD/SD-SDI
Resolution	2160p60/50/30/25 1080p60/50/30/25 1080i60/50 720p60/50/30 576p25, 480p30 576i50, 480i60
Interface	BNC 75Ω
IP signal	
Standard	ST2110 protocol
Channel	One 4K IP stream or 4-channel high-definition uncompressed IP stream
Video format	2160p60/50/30/25 1080p60/50/30/25 1080i60/50 720p60/50/30 576p25, 480p30 576i50, 480i60
Interface	2-channel 10GBE/25GBE SFP optical interface
Control	
Management	Web-based remote network management software
Physical	

Dimension(H×W×D, mm)	44×433×498(mm)
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
Power supply	130-260VAC, 50/60Hz

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