



1 Channel 3G/HD/SD-SDI Over IP Extender with IR

User Manual

B-1SDI-IP-TX/RX



Chapter 1. Introduction

1.1 Overview

QuestTel's 3G/HD/SD-SDI over IP Extender with IR allows easy extension and distribution of broadcast quality 3G/HD/SD-SDI video with embedded audio over local area networks. Our SDI extender applies HDbiT technology to transmit SDI signals over CAT5/6 cable infrastructure, saving cable cost and making installation fast and easy. The B-1SDI-IP-TX/RX supports IR pass-back function and it will extend SDI signal with cascade connection. It supports resolution up to 1920x1080@60Hz and up to 394 feet (120 meters).

1.2 Feature

- > Extends over a single network cable
- > Compatible with Cat5e/6 cable
- > Supports transmission distance up to 394feet (120 meters)
- > Supports SD-SDI, HD-SDI and 3G-SDI signal input
- > Supports resolutions up to 1080P@60Hz
- > Supports IR pass-back function
- > Supports cascade connection to extend SDI signal

1.3 Application



Tech Specs:

B-1SDI-IP-TX/RX

- >SDI Signal >3G/HD/SD-SDI
- >Transport protocol >2HDbiT
- >SDI Rate > 270Mb/s, 1.485Gb/s, 2.97Gb/s
- >SDI Resistance >75Ω
- >Support Resolution >SD-SDI : 480i@60Hz, 576i@50Hz
HD-SDI : 720p@50/60Hz, 1080i@50/60Hz,1080p@24/25/30Hz
3G-SDI : 1080p@50/60Hz
- >IR remote control >Support 20~60kHz wide frequency IR remote device
- >Transmit distance >Transmit: 1080P signal over cat6 up to 120 meters
CAT5: 80m, CAT5E: 100m, CAT6: 120m
- >Working temperature >0°C ~60°C
- >Power supply >DC5V/2A *2PCS
- >Product dimension >138x105x23.8mm *2pcs
- >Weight >TX:182g RX: 180g