



SDI Distributor

User Manual

Model :SDI04D

1 x 4 Output 3G-SDI Distribution Amplifier



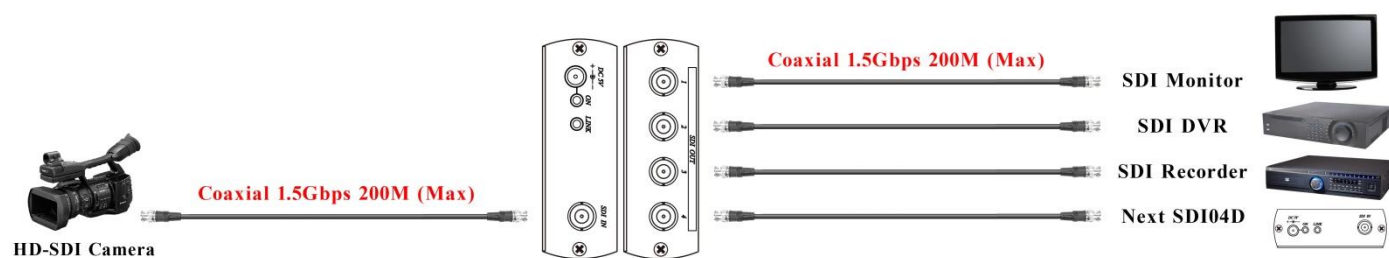
Introduction

SDI04D is an 1-in-4-out SDI distribution amplifier that can split one SDI for 4 SDI devices at remote side with transmission distance up to 400M. The re-clock function reduces the accumulated jitter and correctly display the desired video...

Features

- Splits and Extends 1 SDI into 4 SDI signals.
- Resolution up to 3G-SDI.
- Signal extension up to 400M over a RG59/ 6U coaxial cable.
- Supports equalizing and reclocking functions for good signal deliverability..

Installation view



Transmission Distance

Max. distance via high quality 75Ω Coaxial Cable (Belden 1505A,1694A RG6U Testing)	From SDI source	To SDI monitor
SD resolution (270Mbps: 480i,576i)	400M	400M
HD resolution (1.45Gbps: 720p,1080i,1080p@24/25/30Hz)	200M	200M
Full HD resolution (2.97Gbps: 1080p@50/60Hz)	100M	100M

Max. distance via high quality 75Ω Coaxial Cable (Belden 1505A RG59 Testing)	From SDI source	To SDI monitor
SD resolution (270Mbps: 480i,576i)	300M	300M
HD resolution (1.45Gbps: 720p,1080i,1080p@24/25/30Hz)	150M	150M
Full HD resolution (2.97Gbps: 1080p@50/60Hz)	80M	80M

Recommend Cable

To send HD signal, the coax cable Bandwidth must over 1.5G. If send Full HD signal, the coax cable Bandwidth must over 3G.

Link cable recommend to use high quality 75Ω Coaxial Cable and BNC connector, low quality coaxial cable may case signal loss and effect transmission distance and reliability.

LED Indication

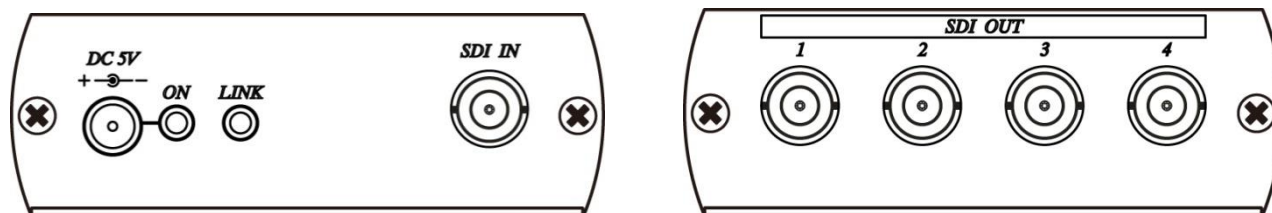
GREEN

ON	Power ON
OFF	Power OFF

BLUE

ON	SDI signal input
OFF	No SDI signal input

Panel View



Jitter

Video Format	Output Jitter
SD-SDI	0.02 UI p-p (Typical)
HD-SDI	0.04 UI p-p (Typical)
3G-SDI	0.07 UI p-p (Typical)

Specification

ITEM NO.	SDI04D
Support	
Compliance	SMPTE 259M, SMPTE 292M, SMPTE 424M
Max. Video Resolution	3G-SDI
Transmission Distance	100M at 3G-SDI
Network Bandwidth	10/ 100Mbps
Ports & Interfaces	
Video Input	1 x 75Ω BNC
Video Output	4 x 75Ω BNC
Power	
Power Supply	DC 5V 1A
Power Consumption	550mA (Max)
Ambient Temperature	
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	Up to 95%
Physical Characteristics	
Dimensions	88 x 75 x 30mm
Weight	220g