

1 Input 4 Output 3G/HD-SDI Distribution Amplifier

ITEM NO.: SDI04D



Features:

- HD-SDI re-clocking 1 in 4 out distribution amplifier
- Provides automatic input cable re-clocking and equalization to 400 meters.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M).
- HD signal distance total up to 400 meters.
- Perfect for long range HD-SDI distribution application.

Installation:



Working 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:

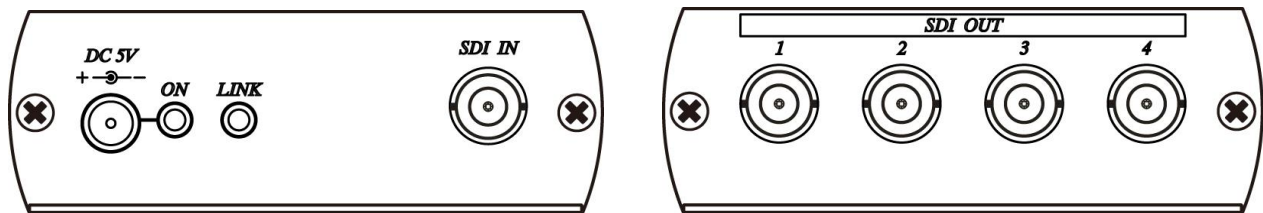
GREEN

ON	Power ON
OFF	Power OFF

BLUE

ON	SDI signal input
OFF	No SDI signal input

Panel View:



Specification:

ITEM NO.	SDI04D
SDI Standard Protocol	SMPTE 259M - SDI(270 Mbps) SMPTE 292M - HD-SDI(1.485 Gbps) SMPTE 424M - 3G-SDI(2.97 Gbps)
Output Jitter	3G operation (2.97 Gbps) Typical 0.07 UI p-p HD operation (1.485 Gbps) Typical 0.04 UI p-p SD operation (270 Mbps) Typical 0.02 UI p-p
Output/ Input Connector	BNC x 5 (75Ω)
Power Supply	DC 5V 1Amp
Power Consumption	500 mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%
Dimensions	88 x 75 x 30 (mm)
Weight	220 g

RoHS CE FC

Rev. A