

HD-SDI Repeater

ITEM NO.: SR02E HD-SDI Repeater

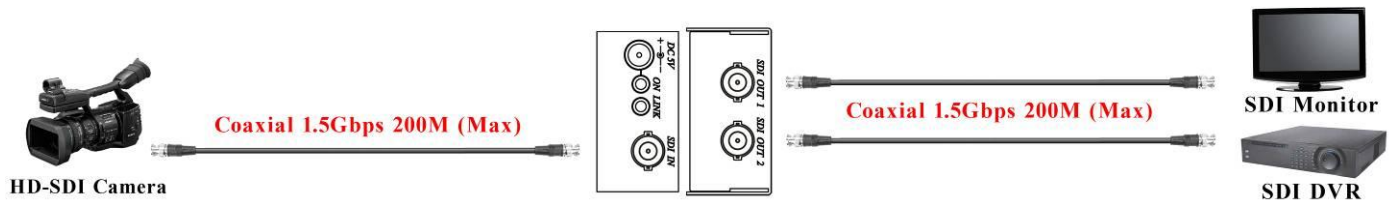
SR02E is a economic repeater for HD-SDI links operating with 75Ω coax cable. With 1 input 2 output distributor function to allow two monitors display with one HD-CCTV camera. It could be also doing chainable function to next SR02E repeater for longer distance application.

SR02E HD-SDI Repeater

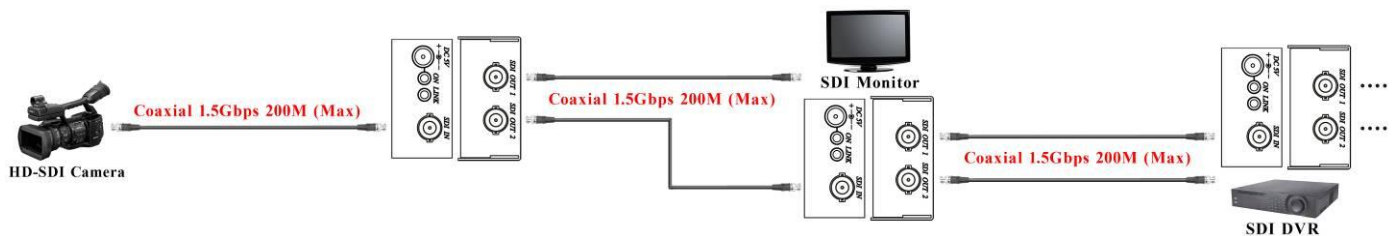
- Extend HD SDI signal over 75Ω coax cable up to 200M.
- Support SDI (SMPTE 259M), HD-SDI (SMPTE 292M), 3G-SDI (SMPTE 424M).
- Built in 2 output HD-SDI distribution function.
- Support video signal NTSC, PAL, 720p, 1080i, 1080p.
- Reclocker to resynchronize the signal—bringing it back to its original condition.
- Compact size for easy installation.

Installation:

SR02E Repeater application:



SR02E 1 in 2 Out Distribution Application



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:

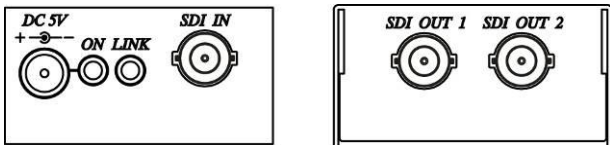
GREEN

ON	Power ON
OFF	Power OFF

BLUE

ON	SDI signal input
OFF	No SDI signal input

Panel View:



Specification:

ITEM NO.	SR02E
SDI Standard Protocol	SMPTE 259M - SDI(270 Mbps) SMPTE 292M - HD-SDI(1.485 Gbps) SMPTE 424M - 3G-SDI(2.97 Gbps)
Output/ Input Connector	BNC x 3 (75Ω)
Power Supply	DC 5V 1A
Power Consumption	500 mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%
Dimensions mm	48.7 x 140.3 x 25.2
Weight g	160

RoHS CE FC

Rev.A