

VCF-1002DA-P SD/HD-SDI Repeaters

1. Overview

BENESTON® VCF-1002DA-P SD/HD-SDI 1:2 Repeater& Distribution Amplifier is a 1 to 2 repeater and distribution amplifier with Re-clocking function. It receives one SDI input and perfectly duplicates it. Then it re-transmits two SDI outputs for real time multi-viewing. It is a reliable video device splitting a SDI or HD-SDI video source to two 3G-SDI or HD-SDI or SD-SDI display at the same time and takes one input then re-clocks and equalizes the signal and distributes it to two identical outputs.

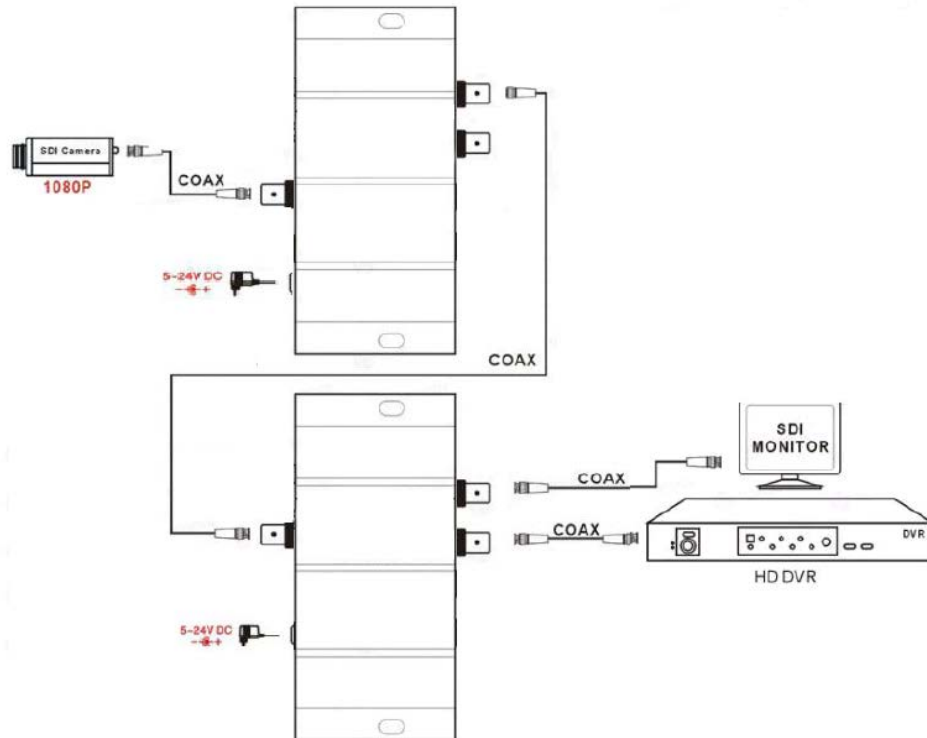
2. Features



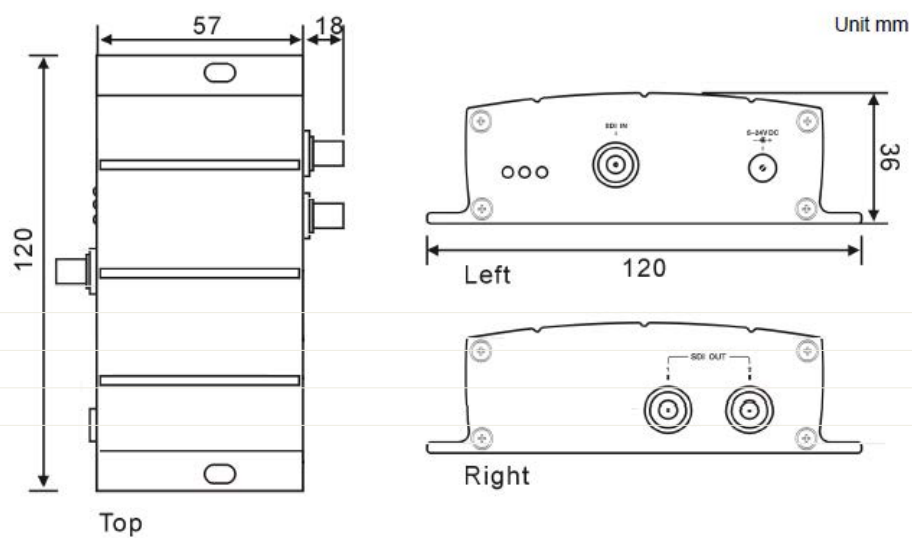
VCF-1002DA-P

- SDI Standard: HD-SDI, SD-SDI
- Data Rates: 270Mbps/1.485 Gbps/ 2. 97Gbps
- Signal Type: SMPTE 292M, SMPTE 259M, SMPTE424M
- Two separately buffered outputs
- Cable equalization (Beldon 1694A) retiming and signal
- Re-clocking function capability – unlimited repeater connection
- Dual color LED indication of input lock and rate
- Pass all ancillary data
- 5V~24V DC

3. Application Diagram



4. Dimensions



5. Specification

Model	VCF-1002DA-P
Re-clocking Function	Yes
SDI Standards	3G-SDI, SD-SDI, HD-SDI
HD/SD-SDI Detection	Auto
Data Rates	270 / 1483 / 1485 /2970Mbps
	SD: 525i @ 59.94Hz, 625i @ 50Hz
	HD: 720p @ 23.98/24Hz/25Hz/29.97Hz/30Hz/50Hz / 59.94Hz / 60Hz
Video Support	1080i @ 50Hz / 59.94Hz / 60Hz 1080p @23.98Hz/24Hz/25Hz/29.97Hz/30Hz 3G:1080p @ 50Hz / 59.94Hz / 60Hz
SDI Signal Type	SMPTE-292M, SMPTE-259M, SMPTE-424M
Output Impedance	75 ohms
Max. Distance	Belden 1694A SD-SDI 350M; HD-SDI 180M; 3G-SDI 60M
Audio Support	Yes
Input	1x BNC [SDI]
Output	2x BNC [SDI]
BNC Connector	75 ohms inter-locked socket
Power Consumption	2~4 Watts
Relative Humidity	20~90% RH (no condensation)
Dimension	120 X 36 X 57 (mm)
Weight	143g