



User Manual

VCF-002MINI-TXRX

500M SD/HD-SDI Repeater



NOTE: The casing design is subject to change without notice.

Our SD/HD-SDI repeater is used to extend HD-SDI signal up to 500M via coaxial cable.
This device include in one transmitter and one receiver as kit

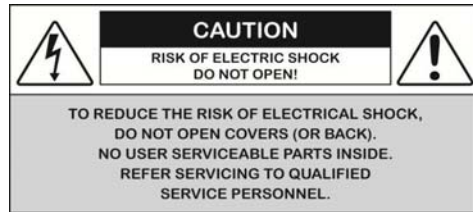
Features

- Extend HD-SDI 500M via high quality coax cable like RG-6U
- Data Rates: 270Mbps/1.485 G bps
- Signal Type: SMPTE 292M, SMPTE 259M
 - Support 720P25/30/50/60,10810i 50/60,1080P25/30
- Dual color LED indication of input lock and rate
- Pass all ancillary data
- DC 12V, 1A



Please read the Manual before attempting to use this product.

Specifications and appearance are subject to change without notice.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



Caution

Avoid any shock or bumping of the product. Improper handling could damage the product. Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.

2. Requires a proper operating environment

This product is not waterproof and is designed for indoor use. The allowable temperature range for operation of this product is between 0 °C~40 °C / 32°F~104°F.

3. Check the power source voltage

The power source voltage should be within the specified range. (Product must meet the specification)

4. Objects and liquid entry

Never push objects of any kind into this product as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.

5. Cleaning

Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

6. Servicing

Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

Package Content

1. One (1) SD/HD-SDI repeater kit
2. One (1) User Manual
3. One (1) AC Adapter

1.



2.



3.



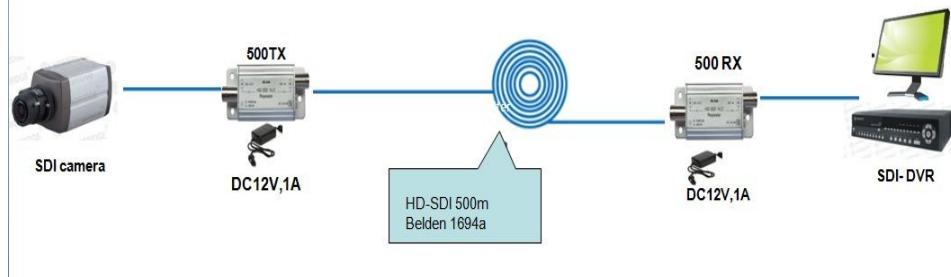
For any returns, please include all components listed above with original packaging in Resalable Condition. Absolutely No Returns will be accepted if any component is missing/damaged.

Parts & Functions



Name	Color	Status	Description
Link(SDI)	Green	ON	SDI signal is inactive status.
		OFF	SDI signal is active status.
PWR	RED	ON	Power source has been connected.
		OFF	Power source hasn't been connected.

Application



Hardware Installation

1. To open the box, then checking the quality, model no. and quantity of the equipments and accessories according to the picking list, if there were any questions, just feel free to contact us or the local distributors.
2. Connect : HD-SDI camera ----- HD-SDI repeater (TX) -----500M
-----coax. cable-----HD-SDI repeater(RX)-----HD-SDI DVR
3. Power on
(Please coax cable length is based on cable quality and BNC quality)

Technical Specifications

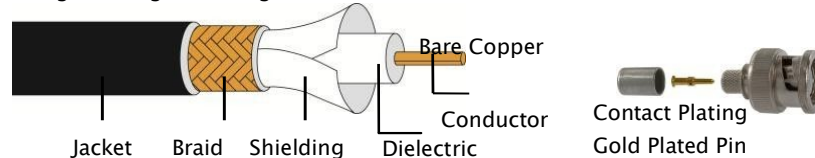
Model	VCF-002MINI-TXRX
SDI Standards	HD-SDI
Supported Protocols	SMPTE 259M, SMPTE 292M, SMPTE 344M
Video Bandwidth	270 / 1483 / 1485 Mbps
Video Support	HD-SDI : 720P25/30/50/60, 1080i50/60 1080p25/30
SDI Signal Type	SMPTE-292M, SMPTE-259M
Output Impedance	75 ohms
Distance	HD-SDI up to 500m1600 feet
Input	1x BNC [SDI]
Output	1x BNC [SDI]
BNC Connector	75 ohms inter-locked socket
Power Adapter	DC 12V ,1A
Power Consumption	2~4 Watts
Relative Humidity	20~95% RH (no condensation)
Dimension	119*73*36mm



IMPORTANT NOTE: Cable & Connector for SDI HD Camera

In order to achieve the BestQuality and LongRange coax cable run upto 200m /600ft, you will need:

1. Good Quality Cable: We suggest using RG6 Belden 1694A LowLossSerial Digital coax cable because RG6 cables have better grounding than RG59 cables. RG6 is for Digital Signal and RG59 is for Analog Signal.
2. Good Quality BNC Connectors: Contact Plating Gold plated pins provide exceptional conductivity.
3. Good Quality Installation: Do not over cut the braid because it will affect the grounding. The image will have lines and noise.



Limited Warranty

LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warrant, including merchantability and fitness of or a particular purpose, is limited to one (1) year.

Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation. The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.