

HDMI OVER COAXIAL EXTEDNER

# HDMI EXTEDNER

User Manual

HDMI Over Coaxial Extender

Bring High-Definition to your life!

## HDMI OVER COAXIAL EXTEDNER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

The pictures and technical parameter involved are only for your reference, As for specific circumstances, please be subject to the actual product.

### 1.0 Introduction

HDMI to SDI extenders, HDMI signal can be transmitted over long distances via a single coaxial cable, which has extended transmission speed, uncompressed, zero latency, etc., can greatly reduce the cost of long-distance transmission of HDMI signal transmission distance of 100-300 meters.

### 2.0 Features

1. SDI interface operates at bit rates of 2.970 G bit/s, 2.970/1.001G bit/s, 1.485 G bit/s, 1.485/1.001G bit/s and 270 Mb/s.
2. Supports HDMI input timings: 480i@59.94, 576i, 720p@50/59.94/60, 1080i@50/59.94/60, 1080p@23.98/24/25/29.97/30/50/59.94/60.
3. HDMI TO SDI EXTEDNER:
  - (3.1) 480i/576i to SD-SDI (SMPTE 259M-C, at bit rates of 270 M bit/s)  
720p/1080i to HD-SDI (SMPTE 292M, at bit rates of 1.485 G bit/s or 1.485/1.001 G bit/s)
  - (3.2 )1080p to 3G-SDI (SMPTE 424M/425M-AB, at bit rates of 2.970 G bit/s and 2.970/1.001 G bit/s)
4. SDI Extender supports distance between TX to RX:100 meters (3G-SDI), 200 meters (HD-SDI), or 300 meters (SD-SDI)

### 3.0 Package contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

HDMI Extender TX-----x1  
HDMI Extender RX-----x1  
5V1A DC Power Supply Adaptor-----x2  
Operation Manual-----x1

### 4.0 Specifications

TX Input Port-----1 x HDMI  
TX Output Port-----1 x BNC (SDI/HD-SDI/3G-SDI)  
RX Input Port-----1 x BNC (SDI/HD-SDI/3G-SDI)  
RX Output Port-----1 x HDMI  
SDI Transmission Rates-----2.970 G bit/s and 2.970/1.001 G bit/s  
In/Output Resolution----480i, 576i, 720p@50/59.94,60 ,1080i@50/59.94/60  
1080p@23.97/24/25/29.97/30/50/59.94/60

## HDMI OVER COAXIAL EXTENDER

Power Supply-----	DC 5V
ESD Protection Human body model-----	±8kV (air-gap discharge) ±4kV (contact discharge)
Dimension-----	82mm x 43.5mm x 23 mm
Weight-----	215g
Operating Temperature-----	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature-----	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity-----	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)-----	~5W

### 5.0 Panel descriptions

Please study the panel drawings below and become familiar with the signal input(S),output(S)and power requirements.

#### Transmitter Panel



HDMI INPUT-----	HDMI input Interface
SDI OUPUT-----	SDI output Interface
Status-----	Input Status Indicator
PW-----	Power Indicator
DC 5V-----	5V Power Interface

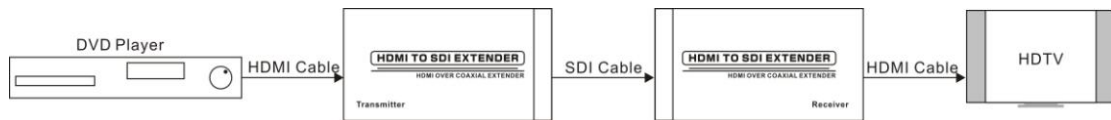
#### Receiver Panel



DC 5V-----	5V Power Interface
PW-----	Power Indicator
Status-----	Input Status Indicator
SDI INPUT-----	SDI output Interface
HDMI OUTPUT-----	HDMI input Interface

### 6.0 Installation and Operation

## HDMI OVER COAXIAL EXTENDER



- 6.01 Connect the HDMI cable between TX and HDMI Source;
- 6.02 Connect SDI cable between TX and RX;
- 6.03 Connect the HDMI cable to RX and HDMI terminal display;
- 6.04 TX and RX respectively connected to power adapter;
- 6.05 Open the HDMI source and HDMI display device power products began to work.

### 7.0 INSTALLATION AND PRECAUTIONS

To avoid electric shock , product damage and to protect your safety , please notice the following:

1. Please slowly plug or unplug signal cables and do not often plug , unplug , or shake them.
2. The equipment should not be placed under the sun , rain and damp or unventilated environment.
3. Liquid items should not be placed on the equipment.
4. Do not install the equipment near heat sources such as fire , power , or other amplifiers that produce heat.
5. Do not insert the metal or other objects to the equipment in addition to connecting cables to ports.
6. Do not demolish the equipment by yourself ; it should be maintained by professional maintenance staff.