

# KanexPro™

## EXT-SDHDX

### Mini SDI to HDMI Converter



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## 1. Introduction

### 1.1. Introduction to EXT-SDHDX

The KanexPro Mini SDI to HDMI converter is an inexpensive version for our SDI customers looking to simply convert SDI signals to HDMI. It supports SDI, 3G-SDI & HD-SDI to an HD display or any monitor equipped with an HDMI jack. It supports signal re-clocking and equalization for longer SDI runs ideal for broadcasting and house of worship centers.

Perfect for broadcast monitoring to HDMI displays. It will save you a ton of money compared to buying special monitors with the capability to purchase an even more specialized, proprietary SDI cards.

**Note:** This only converts from SDI to HDMI and does not support 4K at this time.

### 1.2. Features

- Get the highest quality 3G-SDI conversion to HDMI
- Integrated Audio de-embedder for 8-channel / 48KHz audio
- Supports multiple video resolutions: SDI 525i, 625i
- HD: 720p 24, 25,30,50 & 60 Hz.
- HD: 1080i 50 & 60 Hz.
- HD: 1080p 24, 25,30, 50 & 60 Hz.
- Data rates up to 2.97 Gbps
- Conversion from SMPTE 425M level B to Level A 1080p 50/59.94/60 4:2:2 10-bit
- SDI Input Cable Length Support - up to 300m
- HD mode length up to: 130m
- One way SDI output with re-clock function
- Supports cascading of multiple SDI's in application
- Automatically switches between SD, HD and 3 Gb/s SDI standards
- Compact in size, perfect for mobile broadcasting units and users
- Small rack mount ears included

**Note:** RG59 cable is required for SDI transmission; we recommend a 75-ohm high quality coaxial cable.

### 1.3. Package Contents

- 3G-SDI to HDMI converter
- 5V DC power supply
- Operation manual

### 1.4. Specifications

#### Video Input:

- Input: 1 x SDI
- Input Connector: 1 x BNC
- Input Video Signal: SD/HD/3G SDI

#### Video Output:

- Output: 1 x HDMI Female
- Output connector: HDMI
- Output Video Signal: SD/HD/3G SDI/DVI/ HDMI

#### Resolutions (HDTV):

- 1080p, 1920 x 1080
- 720p; 1280 x 720
- 1280 x 720, 480i (NTSC mode) 576i Standard PAL mode

#### Environmental:

- Operating Temperature: 0°C to +70°C
- Operating Humidity: 10% to 85 % RH (no condensation)
- Storage Temperature: -10°C to +80°C
- Storage Humidity: 5% to 90 % RH (no condensation)
- Regulatory Approvals Converter: FCC, CE, UL
- Regulatory Approvals Power Supply: FCC, CE, UL

#### Mechanical:

- Size: (LWH): 3.14"x1.61"x0.98"
- Weight (net): 0.33 lbs. (150g)

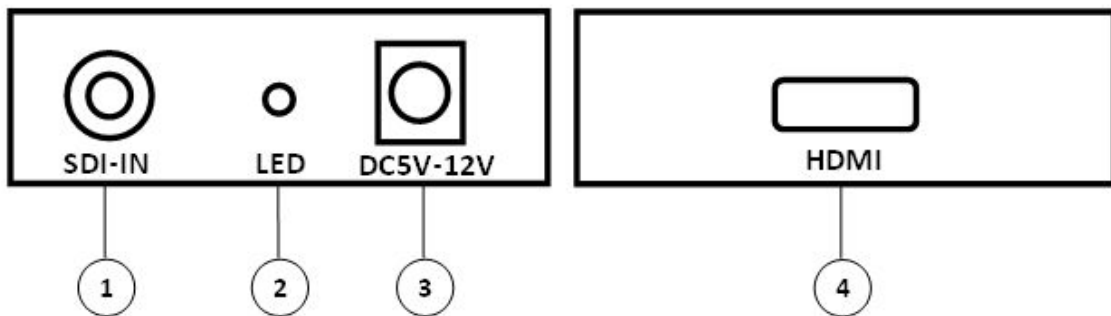
#### Power Requirements:

- External power supply: 5V -12V
- Power consumption: 5 W

**Warranty:** 1 Year parts & labor

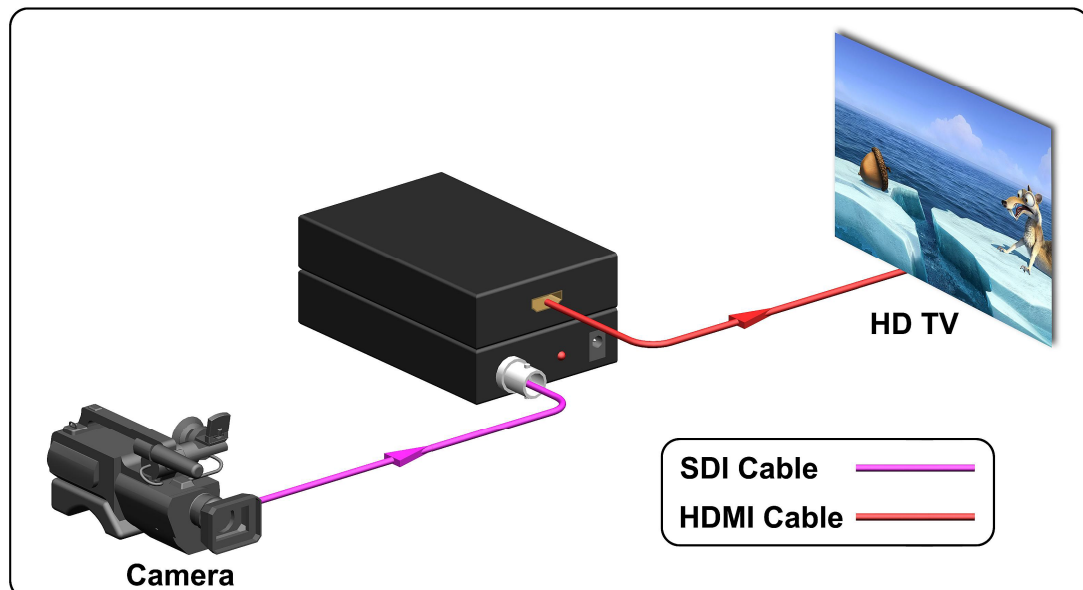
### 1.5. Operation Controls and Functions

- ① **SDI IN:** This is where you connect the SDI source output.
- ② **POWER LED:** This red LED will illuminate when the converter is connected with the provided power supply.
- ③ **DC IN:** Plug the 5V-12V DC power supply into the unit.
- ④ **HDMI OUT:** This slot is where you will connect a HDMI display using a HDMI cable.



### 1.6. Application Example

## Application Example



## 2. Warranty

KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the accompanying written materials for a period of 1 year from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 1 year.

### **B. CUSTOMER REMEDIES**

KanexPro’s entire liability and Customer’s exclusive remedy shall be, at KanexPro option, either return of the price paid for the product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to KanexPro with a copy of customers’ receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 90 days whichever is longer.

### **C. NO OTHER WARRANTIES**

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, KANEX DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMERS SPECIFIC LEGAL RIGHTS. CUSTOMERS MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

### **D. NO LIABILITY FOR DAMAGES**

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The logo for KanexPro, featuring the brand name in a bold, sans-serif font with a trademark symbol.

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