

KanexPro™

EXT-SDI3GX

SDI to HDMI™ Converter

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1. Introduction

1.1 Product Description

The KanexPro SDI to HDMI converter is a cost-effective version down from our EXT-3GSDI. It supports SDI, 3G-SDI & HD-SDI to HDMI for display on any monitor equipped with an HDMI jack. This device can be rack-mounted to the back of most equipment; rack mount ears are included in the box. Perfect for connecting HD CCTV cameras using SDI 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. The SDI converter has a loop-out feature that lets you monitor your SDI-/HD-SDI/3G feeds.

1.2 Features

- Get the highest quality 3Gb/s SDI conversion
- 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.
- Supports multiple Color Space: RGB or YCbCr 4:4:4 sampling
- Support for YCbCr: 4:2:2 sampling
- Data rates up to 2.97 Gbps
- Supports 8 bit, 10 bit & 12 bit color depth
- 8-Channel of 48K sampling rate for digital audio
- 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.

2. Specifications

Signal Input/ Output	
Input Connector	1xSDI BNC Male
Output Connector	1x HDMI Female (A Type) , 1xSDI BNC Male
Mechanical	
Size (L-W-H)	100×70×25MM
Weight (Net)	202G
Warranty	
Limited Warranty Term	1 Year
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)
Power Requirement	
External Power Supply	5V DC@ 2A
Power consumption (Max)	2.5W
Regulatory Approvals	
Converter Unit	FCC, CE, UL
Power Supply	UL, CE, FCC
Accessories Adapter	
User Manual	English

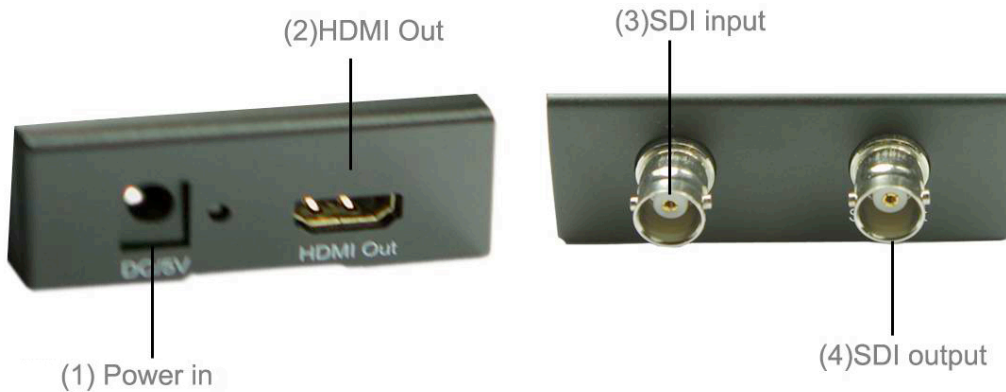
Note: Specifications are subject to change without notice.

3. Package Content

Before attempting to use this unit, please check the packaging and make sure the following items are contained with the product.

- Main unit
- 1XPower adapter 5V@2A
- User's Manual

4. Panel Description



- (1) Power in, DC 5V/1A/2A adapter use.
- (2) HDMI out, connect to the HDMI TV or HDMI monitor
- (3) SDI input, connect to the SDI sources, such as SDI Camera etc.
- (4) SDI output, loop output, can be connected to a monitor or SDI Device.

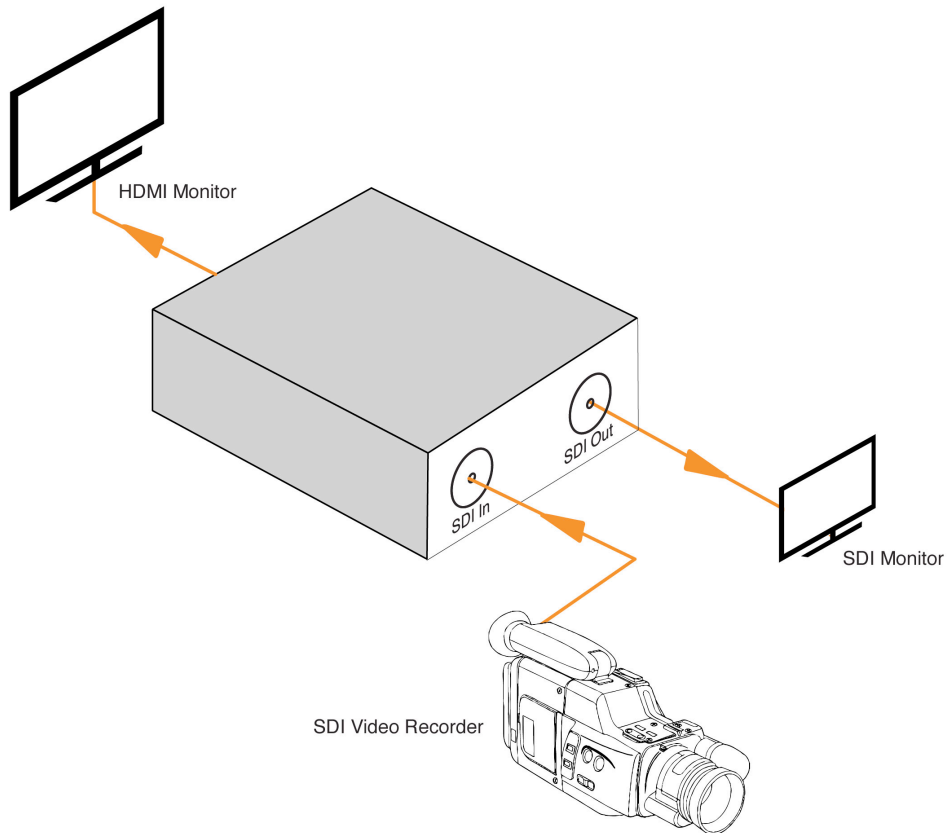
5 Connections and Operation

5.1 Connections and Operation

- (1) Connect the AC adapter to the DC 5V plug
- (2) Use a RG59 Cable or High quality of 75 Ω coaxial cable to the "SDI input" to your SDI source.
- (3) HDMI out will connect to your HDMI input of your monitor/TV.
- (4) Operate the SDI source

Note: if you want to send the program to the next monitor, you can connect the "SDI out" BNC Connector to the next SDI monitor or SDI Device.

5.2 Connection Diagram



Warranty

A. LIMITED WARRANTY

KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the

accompanying written materials for a period of 12 months (1 full 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 of 1 year, 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

To the maximum extent permitted by applicable law, in no event shall Kanex be liable for any damages whatsoever (including without limitation, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if Kanex has been advised of the possibility of such damages.

KanexPro™

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MPN: EXT-SDI3GX

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