

# KanexPro®

## EXT-SDIVGA 3G/HD-SDI/ SDI to VGA Converter



# Setup Guide

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### Notice

KanexPro reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.



## Introduction

### 1.1. Introduction to EXT-SDIVGA

The KanexPro SDI to VGA Converter allows SDI, HD-SDI and 3G-SDI signals to be displayed on a VGA monitor or a projector ensuring high bit-rates up to 3 Gbps for faster signal transmission without loss in broadcasting quality signals. It provides signal re-clocking and equalization for longer length transmission up to 200 meters for HD signals and 300 meters for SD formats.

The SDI converter also features a loop-through SDI output for local monitor support simultaneously. Ideal for use with display equipment such as projectors, plasma TV, and LCD screens.

Note: Cable tested with Belden 1694A. Operating distances may vary if used with another type of cable.



## Features

- Get the highest quality 3G-SDI conversion to VGA formats
- Equalized and re-clocked loop output
- Conversion from SMPTE 425M Level B to Level A
- Supports multiple VGA output resolutions:
- SDI 800x600, 1024x768
- PC: 1280x720, 1440x900
- PC: 1280x1024, 1680x1050
- HD: 1600x1200, 1920x1080 & 1920x1200

- Simultaneous display with SDI /VGA signals
- Alternative audio output to analog 2CH
- Data rates up to 3 Gbps
- SDI Input cable length support - up to 300m
- HD mode length up to: 200m
- Capable of cascading to multiple units
- Automatic detection of SD, HD and 3 Gb/s SDI standards
- Compact in size, perfect for mobile broadcasting units

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### Specifications

<b>Video Input:</b>	Input: 1 x (SD/HD/3G-SDI) Input Connector: 1 x BNC Input Video Signal: SD/HD/3G SDI
<b>Video &amp; Audio Output:</b>	Output: 1 x SDI, 1 x VGA Output Connector: 1 x BNC, 15-Pin HD Output Video Signal: SD/HD/3G SDI/DVI/ HDMI Output Audio: 1 x 3.5mm stereo connection
<b>SMPTE Standards supported:</b>	425M Level A&B, 424M, 292M, 259M-C
<b>SDI Transmission Rates:</b>	Up to 3.0 Gbps & 2.97 Gbps
<b>SDI Input / Output resolutions:</b>	SD: 480i@60, 576i@50 HD: 720p@50/60, 1080i@50/60 3G: 1080p@24/25/29.97/30/50/59.94/60
<b>VGA Output resolutions:</b>	SDI: 800x600, 1024x768 PC: 1280x720, 1440x900 PC: 1280x1024, 1680x1050 HD: 1600x1200, 1920x1080 & 1920x1200
<b>Environmental:</b>	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
<b>Mechanical:</b>	Size: (LWH): 3.5"x2.36"x0.98" Weight (net): 0.57lbs (260g)
<b>Power Requirements:</b>	External power supply: 5VDC - 12v Power consumption: 5 W
<b>Warranty:</b>	1 Year parts & labor

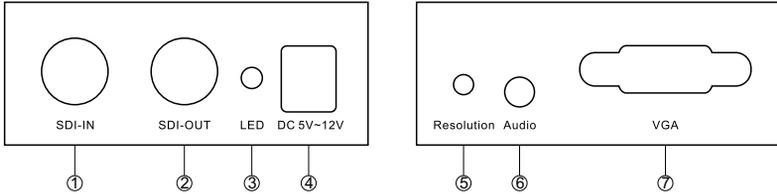
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### Package Contents

- 1) 3G SDI to VGA Converter
- 2) 5V DC Power Supply Adaptor
- 3) Operation Manual

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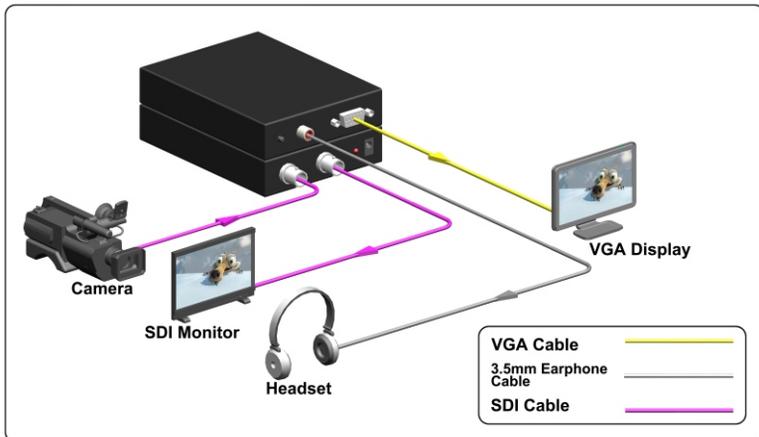
## Operation controls and functions



- 1) **SDI IN:** This slot is where you connect the SDI source output for SDI signal sending to be displayed on the screen
- 2) **SDI OUT:** This slot is where you connect the SDI display with a SDI cable for the input source to display
- 3) **POWER LED:** This red LED will illuminate when the converter is connected to the provided power supply
- 4) **DC IN:** Plug the 5V-12V DC power supply into the converter and connect the adaptor to an AC wall outlet
- 5) **RESOLUTION:** Press this button to select the output resolution
- 6) **AUDIO:** This slot is where you will connect the speaker or amplifier with an earphone jack for audio signal display
- 7) **VGA OUT:** This slot is where you will connect the VGA display with a VGA cable

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## Application Example



# 7 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 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**

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EXT-SDIVGA

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