

# KanexPro®

## EXT-HDSDIX HDMI to 3G/HD-SDI/ SDI 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.

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## Introduction

### Introduction to EXT-HDSDIX

The KanexPro HDMI to SDI converter is a compact device designed to transform high resolution HDMI sources such as HD cameras, GoPro cams, HDMI based PC's to an SDI monitor. The compact design can easily fit behind an SDI display, in the back of a rack or directly on a camera rig.

This SDI converter provides signal equalization and re-clocking for longer runs up to 300 meters on SD mode and 100 meters for HD mode. Ideal for monitoring and recording solutions in the edit suite, on set or at live events.

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## Features

- Convert an HDMI PC signal or HD camera into an HD-SDI signal
- Network Unlimited Extender for Monitors
- Synchronized output audio video and audio
- Up to eight channels of HDMI audio are passed through to the SDI output
- Fit behind a monitor, in the back of a rack or directly on a camera rig
- Supports signal re-clocking and equalization
- SDI runs up to 300 meters
- Support for HD-SDI runs up to 200 meters

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## Specifications

<b>Video Input:</b>	Input: 1 x HDMI Input Connector: 1 x HDMI Female connector Input Video Signal: HDMI
<b>Video Output:</b>	Output: 1 x SDI Output Connector: 1 x BNC Output Video Signal: SD/HD/3G SDI
<b>Input Resolutions (HDTV):</b>	1080p, 1920x1080 720p; 1280x720 1280x720, 480i (NTSC mode) 576i Standard PAL mode
<b>HDMI Input Timings:</b>	Supports HDMI input timings: 480i@59.94, 576i, and 720p@50/59.94/60 1080i@50/59.94/60, and 1080p@23.98/24/25/29.97/30/50/59.94/60
<b>SDI Output:</b>	Converts HDMI signal to SDI: 480i/576i to SD-SDI (SMPTE 259M-C, at bitrates of 270 Mbit/s)720p/1080i to HD-SDI (SMPTE 292M, at bitrates of 1.485 Gbit/s or 1.485/1.001 Gbit/s) 1080p to 3G-SDI (SMPTE 424M /425M-AB, at bitrates of 2.970 Gbit/s and 2.970/1.001 Gbit/s)
<b>Distance:</b>	Supports SDI output distance up to 100 meters (3G-SDI), 200 meters (HD-SDI), or 300 meters (SD-SDI)
<b>Bandwidth:</b>	SDI interface operates at bitrates of 2.970 Gbit/s, 2.970 /1.001 Gbit/s, 1.485 Gbit/s, 1.485/1.001 Gbit/s and 270 Mb/s.
<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): 3.14"x1.61"x0.98" Weight (net): 0.33 lbs. (150g)
<b>Power Requirements:</b>	External power supply: 5V DC Power consumption: 5W
<b>Warranty:</b>	1 Year parts & labor

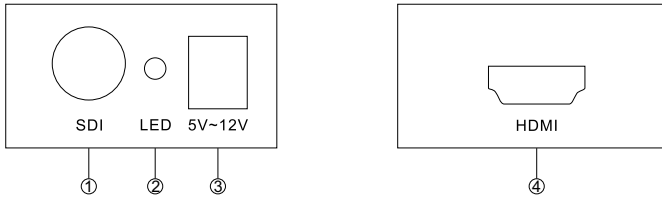
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## Package Contents

- 1) HDMI to SDI converter
- 2) 5V DC power supply
- 3) Operation manual

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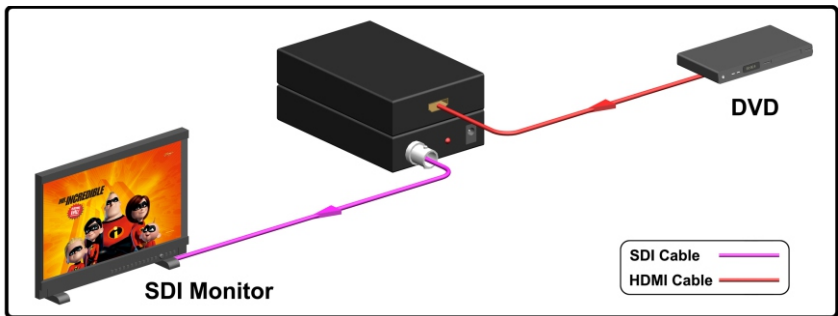
## Operation controls and functions



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

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