



SDI TO HDMI CONVERTER

RL-SDH01

Product Overview

The SDI to HDMI Converter with SDI Loop Out is a compact video interface device that converts professional SDI signals (SD-SDI/HD-SDI/3G-SDI) to HDMI while also providing an SDI loop output for monitoring or daisy-chaining. It supports a wide range of resolutions up to full HD 1080p at 60 Hz, making it suitable for cameras, switchers, and other broadcast equipment feeding standard HDMI displays or projectors.

Physical Design

The converter uses a metal housing (often iron or aluminum), which helps with durability and heat dissipation in professional environments. It is compact and lightweight (around a few hundred grams, with dimensions close to 100–110 mm on the longest side), so it can be easily mounted near cameras, racks, or behind monitors without taking much space.

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Power and Working Conditions

The converter is powered by a DC 5 V / 1 A adapter and is designed to work with a wide input voltage range from 5 V to 36 V, giving flexibility with different power sources in studio or field setups. Its specified operating temperature range is approximately 0–60 °C, allowing reliable operation in typical indoor and many controlled outdoor environments.

Video Input and Output Support

On the SDI side, the unit accepts SD, HD, and 3G-SDI formats, covering resolutions such as 480i/576i, 720p at common frame rates, and 1080i/1080p at multiple frame rates including up to 60 Hz. The HDMI output is available in HD formats like 720p and 1080p at up to 60 Hz, so the connected monitor or TV can display clean, full-HD video converted from the SDI source.

Future-oriented Features

- Supports 3G-SDI, allowing use with many current HD broadcast workflows and cameras.
- Wide power input range makes it suitable for battery-powered field use and varied studio power systems.
- SDI loop out simplifies expansion to additional monitors or recorders without needing extra distribution equipment.
- Full-HD 1080p HDMI output keeps it relevant for most existing displays and projectors used in production environments.



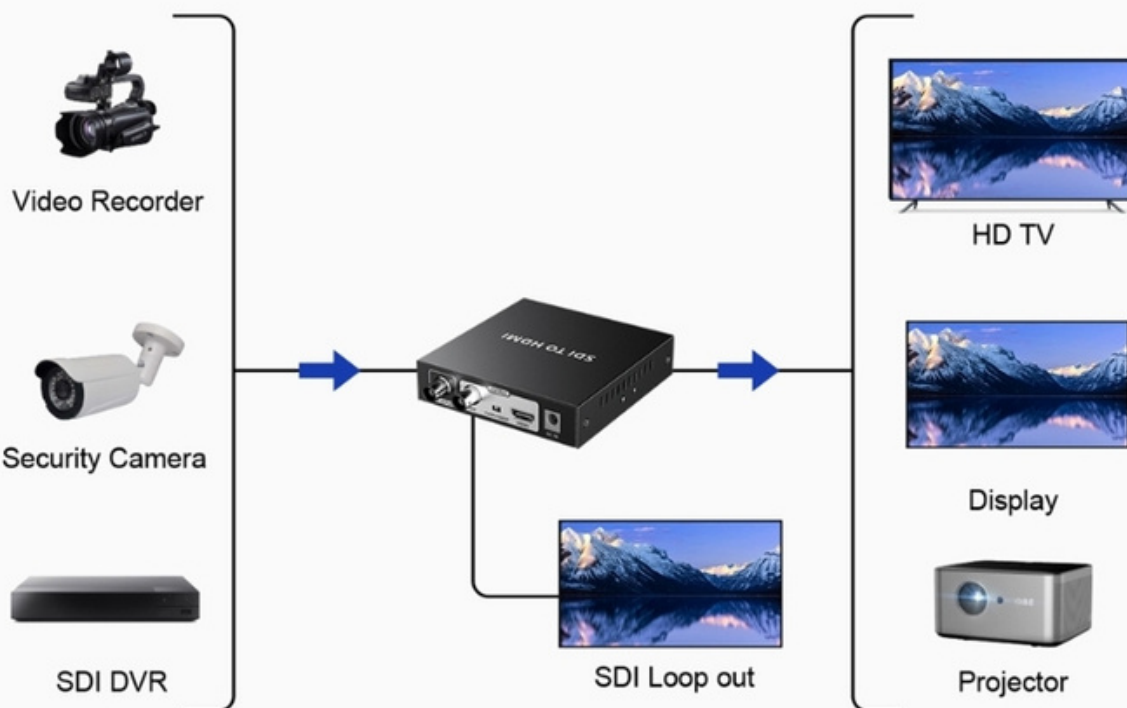
3G-SDI/ HD-SDI/ SD-SDI to HDMI Converter

It is a 3G-SDI/ HD-SDI/ SD-SDI to HDMI Converter, which converts pure digital SDI signals to HDMI in 1080P, also supports auto format detection for 3G-SDI, SD-SDI and HD-SDI input signals.

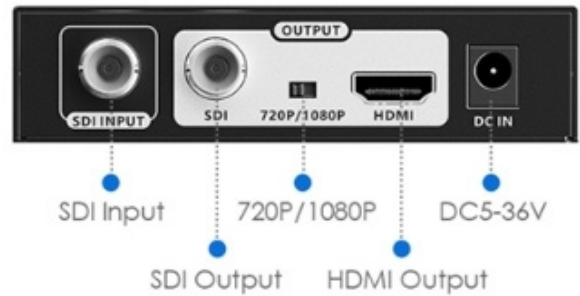
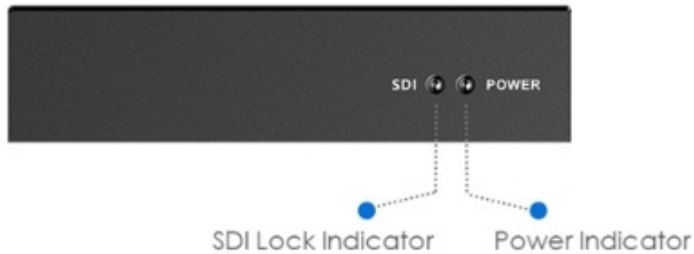


Data Transfer Rate: 2.97Gbps

Supports the highest 2.97Gbps transfer speed to give you fast signal transmission without any loss.

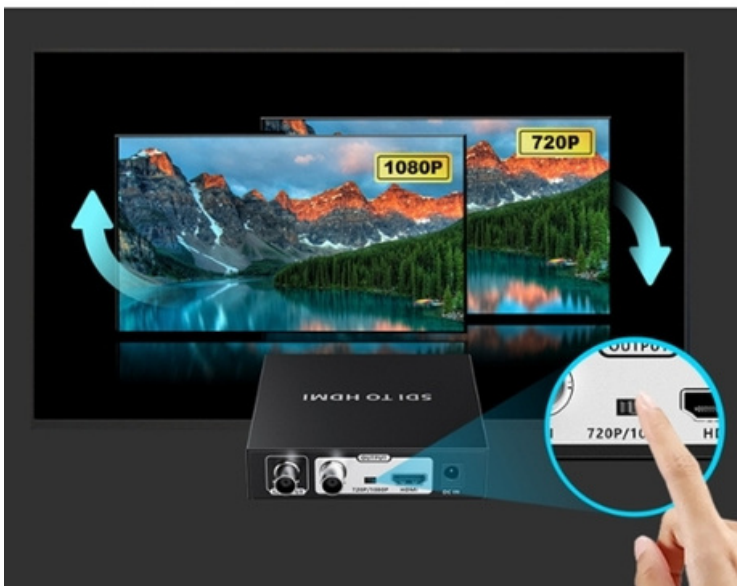


Input And Output



1080P SDI to HDMI Converter

Supports the highest input and output resolution
1080P@60Hz.



Flexible Upscaling and Downscaling

Flexibly upscale 720P to 1080P or downscale 1080P to 720P
via control button.

Specifications

- Power adapter: DC 5 V / 1 A, supports input voltage from 5 V to 36 V.
- SDI input resolution: 480i@60 Hz, 576i@50 Hz, 720p@50/60 Hz, 1080i@50/60 Hz, and 1080p@24/25/30/50/60 Hz.
- SDI output resolution: 480i@60 Hz, 576i@50 Hz, 720p@50/60 Hz, 1080i@50/60 Hz, and 1080p@24/25/30/50/60 Hz.
- HDMI output resolution: 720p@60 Hz and 1080p@60 Hz.
- Supported SDI formats: SD-SDI, HD-SDI, and 3G-SDI.
- Housing material: Iron, with black color finish.
- Physical dimensions: 106 mm (L) × 103 mm (W) × 25 mm (H).
- Weight: 330 g.
- Working temperature range: 0 °C to 60 °C.



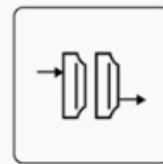
1080P@60Hz



3G-SDI,
HD-SDI, SD-SDI



Data Transfer
Rate: 2.97Gbps



SDI Loop Out



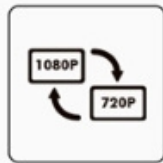
Plug and Play



24/7



Wide Voltage
Range



Scaler Up /
Scaler Down

