

12G/6G/3G-SDI to HDMI converter

OPERATION MANUAL



Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied.

Features

- Convert 12G/6G/3G-SDI to HDMI
- SDI input resolution up to 4K@60Hz YUV4:2:2
- HDMI output resolution up to 4K@60Hz YUV4:2:2
- Bandwidth up to 12Gbps
- Support long SDI cable runs up to:80m for 12G 4k@60hz and 6G 4k@30hz , 120m for 3G 1080p
- Support HDCP2.2/1.4
- Support downscaler
- Support PCM2.0 16-24bit, 48KHz audio format
- Support Micro USB port for firmware upgrade

SPECIFICATIONS

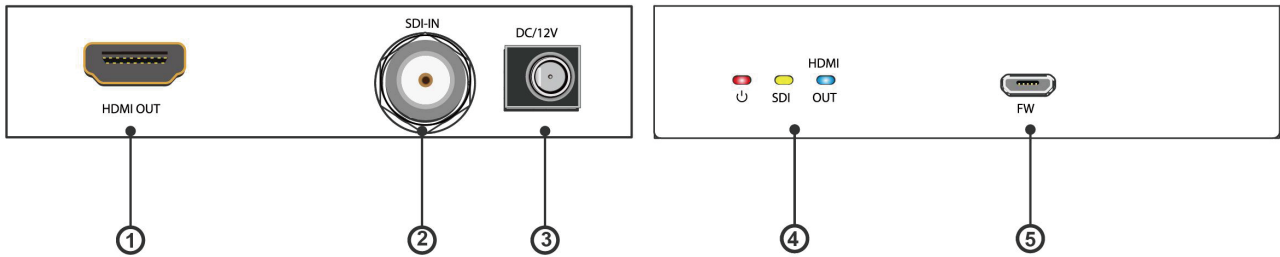
Operating Temperature Range	-5 to +40°C(+23 to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Input	1x SDI input
Output	1 x HDMI output
Resolution supports	4k@60hzYUV4:2:2/ 4k@30HZ/1080p/1080i/720p, etc.. (see page 5)
Audio format supported	PCM2.0 16-24bit 48KHz
Output Video Signal	HDMI
Dimension (L×W×H)	L94mm×W79mm×H20mm
Power supply	DC 12V/1A
Power consumption	12W(MAX)
SDI cable distance	80m for 12G 4k@60hz and 6G 4k@30hz , 120m for 3G 1080p
Net Weight	182g

NOTE : This is not a bi-directional converter. Do NOT use for HDMI→SDI conversion

Package Contents

- 1 x SDI to HDMI converter
- 1 x 12V/1A DC Adapter
- 1 x User Manual
- 2 x Mounting Ears

PANEL DESCRIPTIONS



- ① HDMI output port
- ② SDI input port
- ③ DC 12V port

- ④ Indicator for power, SDI signal, HDMI out
- ⑤ Firmware update port

Input resolution supported

Fresh Rate	I/P	Resolution	Support
50Hz (8BIT)	P	720P	√
	P	1080P	√
	I	1080i	√
	P	4K2K	√
60Hz/59.94Hz (8BIT)	P	720P	√
	P	1080P	√
	P	4K2K	√
30Hz/29.97Hz (8BIT)	P	720P	√
	P	1080P	√
	P	4K2K	√
24Hz (8BIT)	P	1080P	√
	P	4K2K	√
25Hz (8BIT)	P	720P	√
	P	1080P	√
	P	4K2K	√

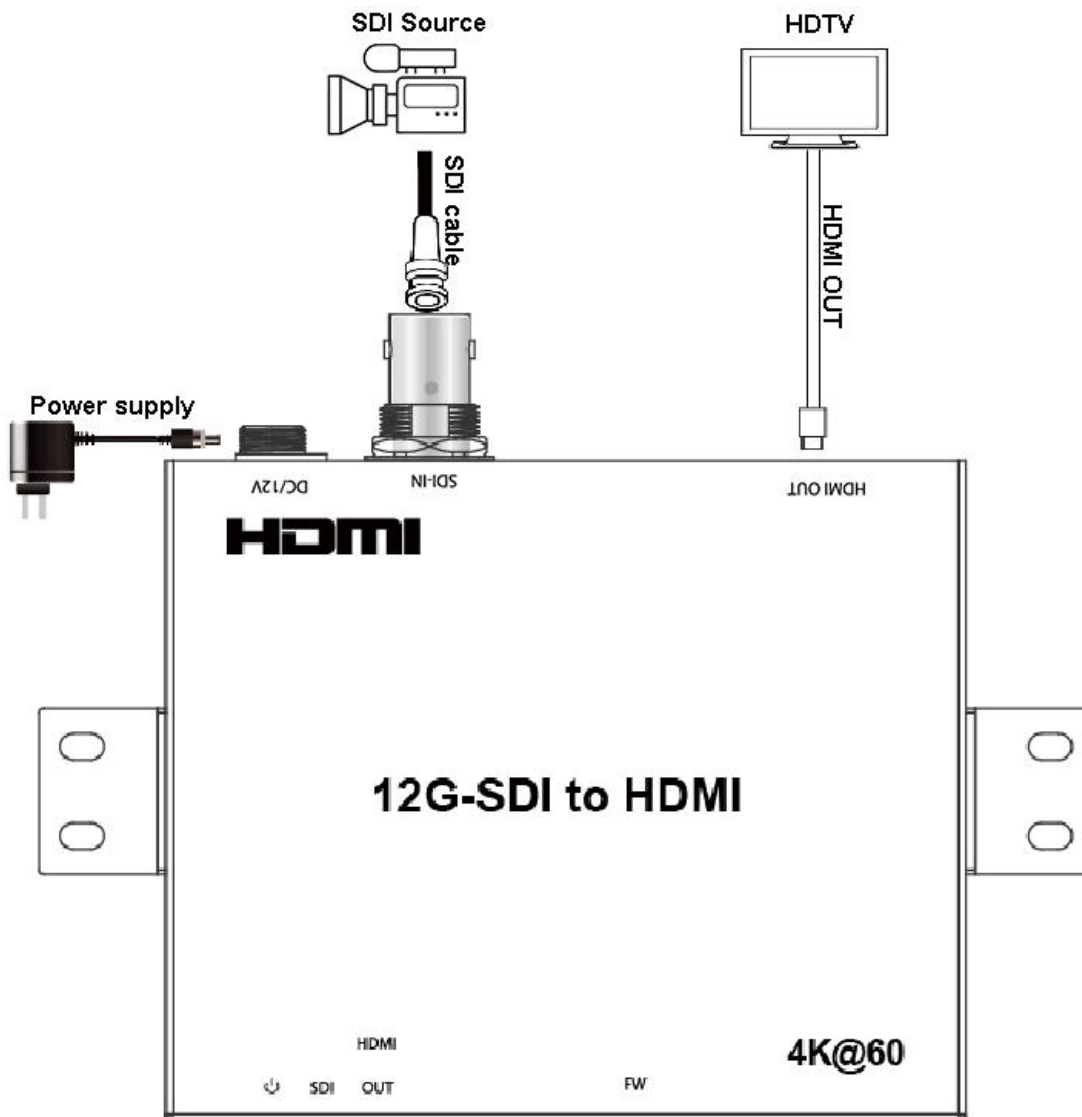
Note:3G-SDI level A is supported, while does NOT support 3G-SDI level B

Connecting and operating

1. Power off all devices including your SDI source, HDMI display
2. Connect SDI source such as a SDI camera, SDI DVR etc. to the SDI input with SDI cable
3. Connect HDMI display such as an HDTV or HD Projector to HDMI out with HDMI cable
4. Power on the converter firstly, then power on the source and sink.

Attention: Insert/Extract cable gently

Connection Diagram



MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

PRODUCT SERVICE

1) **Damage requiring service:**

The unit should be serviced by qualified service personnel if:

- (a) The DC power supply cord or AC adaptor has been damaged;
- (b) Objects or liquids have gotten into the unit;
- (c) The unit has been exposed to rain;
- (d) The unit does not operate normally or exhibits a marked change in performance;
- (e) The unit has been dropped or the cabinet damaged.

2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

WARRANTY

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will, for the length of the period indicated as below, **(Parts(2)Year, Labor(90) Days)** which starts with the date of original purchase ("Limited Warranty period"), at its option either(a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

MAIL-IN SERVICE

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

- 1) This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributable to acts of God.
- 2) THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)
- 3) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.