Model No.: **HA0101-320**

Operating Instructions

Thanks for purchasing our product.
Please be sure to read this instruction manual carefully before using our product.

Introduction

HA0101-320 is a HDMI 3D to 2D convertor with CDR (clock and data recovery) function.

Benefits from using HA0101-320:

1) By using HA0101-320, you can convert 3D video to 2D video, so the 2D TV can display this video normally.

2) The CDR function of the HA0101-320 can reduce the jitter of the signal in the transmission and to ensure HDMI signal's transmission through long cable without quality loss.

HA0101-320 offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

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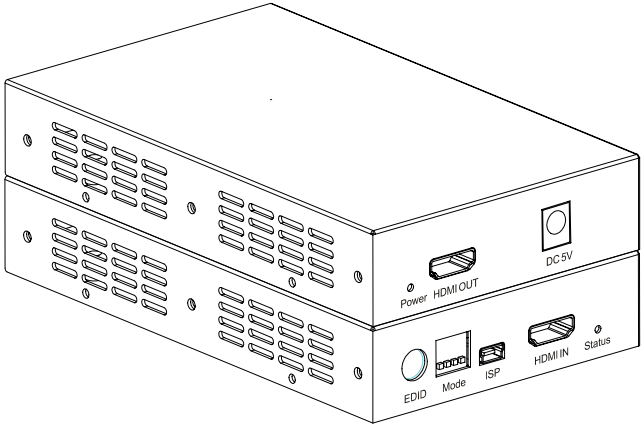
HDMI Convertor (for 3D to 2D)

■ Product Overview (Model Number: HA0101-320)



■ Features

- HDMI 3D to 2D convertor.
- Install in seconds, easy to use.
- CDR (clock and data recovery) function.
- Support high definition resolutions 1080p, 1080i, 720p and standard video format.
- HDMI V1.4 supported.
- HDCP compliant.
- With ESD protection inside.

✍ Notice

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

⚠ Warning

To reduce the risk of fire, electric shock or product damage:

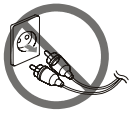
1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

6. Clean this apparatus only with dry cloth.

2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.

7. Unplug this apparatus during lightning storms or when unused for long periods of time.

3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



8. Protect the power cord from being walked on or pinched particularly at plugs.

4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Only use attachments / accessories specified by the manufacturer.

5. Do not place sources of naked flames, such as lighted candles, on the unit.

10. Refer all servicing to qualified service personnel.

■ Package Contents

① Main unit HA0101-320.

② Operating instructions. P/N_INSHA0101-320.

③ 1x 5V 2A DC Power Supply. P/N_VDC0502

🕮 **NOTE:** PART NUMBER (Abbreviation as P/N)

■ Connections and Operations

1) Connect the HDMI input source (☞such as HD-DVD、PS3、STB etc.) to the input port of the HA0101-320.
2) Connect the HDMI sink (☞such as HD-LCD、 HD-DLP) to the output port of the HA0101-320.

🕮 **Attention:** Please insert and extract cables gently.

※Setting instruction:

1. Rotary switch setting of EX0101-OP1.

0 (default)	Auto convert mode(note1)
1	Frame packing 3D format convert mode(note2)
2	Side by side 3D format convert mode(note3)
3	Repeater mode(note4)
Others	reserve

Note 1: The HA0101-320 will convert 3D signal to 2D signal autoly whatever the 3D signal is frame packing format or side by side format.

Note 2: The HA0101-320 will convert frame packing 3D signal to 2D signal when the side by side 3D signal will be bypassed.

Note 3: The HA0101-320 will convert side by side 3D signal to 2D signal when the frame packing 3D signal will be bypassed.

Note 4: In this mode the HA0101-320 is repeater with CDR (clock and data recovery).

2. DIP Setting

0 (default)	choose the left picture of the 3D signal to display;
1	choose right picture of the 3D signal to display;

■ Specifications

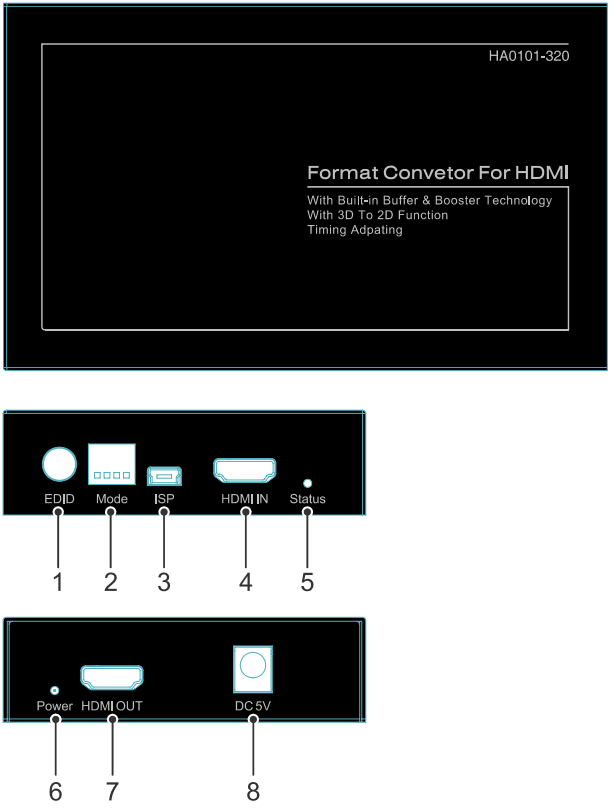
Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Max Signaling Rate	2.25Gbit/s
Video Format Supported	DTV/HDTV; 1080P/1080i/720P/576P /480P/576i/480i
3D Format Supported	Frame packing 3D format; Side by side 3D format
Output Video	HDMI 1.4+HDCP (Repeat the source to the sink)
Output Audio	Support DTS-HD, Dolby-HD (repeat the source to the sink)
Power Consumption	<5 Watts
Dimensions	148mmL x 90mmW x 25mmH
Mass (Main unit)	0.4Kg/0.88lb

🕮 **NOTE**: Specifications are subject to change without notice. Mass and dimensions are approximate.

■ Panel Descriptions

1. HA0101-320

TOP Panel



1、Rote switch position, use for convertor setting.

2、DIP setting.

3、USB for firmware update.

4、HDMI Input.

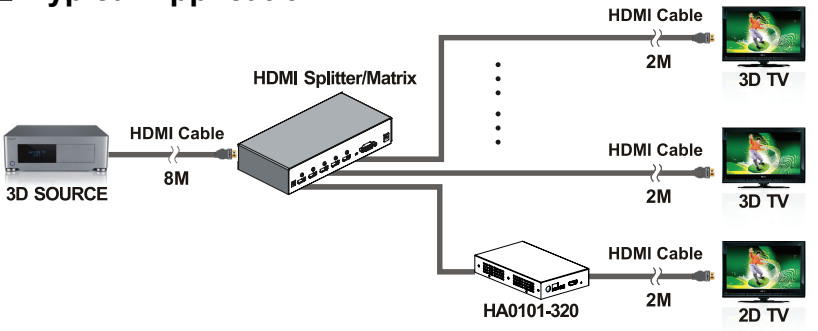
5、Status of signal input.

6、Status of power input.

7、HDMI Output.

8、DC 5V.

■ Typical Application



■ Maintenance

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

■ Product Service

● Provided Service

1) **Damage Requiring service:** The unit should be serviced by qualified service personnel if:
   - The DC power supply cord or AC adaptor has been damaged;
   - Objects or liquids have gotten into the unit;
   - The unit has been exposed to rain;
   - The unit does not operate normally or exhibits a marked change in performance;
   - 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 service 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 service to perform safety checks to confirm that the unit is in proper working condition.

● 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 daytime phone and/or email address where you can be reached.

If repair is needed during the limited warranty period the purchaser will be required to furnish a sales receipt/proof of purchase indicating date of purchase, amount paid and place of purchase. Customer will be charged for the repair of any unit received without such proof of purchase.

● Warranty

If your product does not work properly because of a defect in materials or workmanship, Grandbeing Company (referred to as "the warrantor") will, for the length of the period indicated as below, （**Parts (1) 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.

● 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 the 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 Service, 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 location, 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.**

Grandbeing Technology Co., Ltd.

Address:

6D, Jialitai Building, No. 6 Yanshan Road,
Nanshan District Shenzhen, P.R. China

Tel: 86-755-26678449/Fax: 86-755-26678549
Post Code: 518067

www.grandbeing.biz