

1080p to 4K2K Scaler with Audio Extraction Operating Instruction

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.

Introduction

This HDMI Scaler is designed to Scale one HDMI(1080P@24/30Hz) input with HDCP to one HDMI output up to 4Kx2K Ultra HD . The device features a single HDMI input and a single HDMI output with digital audio output.It supports two output modes, a 'Bypass' output which maintains the original resolution of the source signal or a 'Scaled' output. It is an ideal solution for upgrade data source from 1080P to 4k Ultra HD(3840x2160).

Features

- Supports maximum distance from source to sink up to 15m @ 4Kx2K/30Hz resolution, or 20 meters at 4Kx2K/24Hz resolution
- Supports Deep color up to 36-bit color at 1080p 60Hz
- Supports audio extraction (optical audio output)
- Supports PCM , Dolby Digital™, and DTS Digital Surround™ ®
- CEC pass-through
- HDCP compliant
- With mounting ears

Specifications

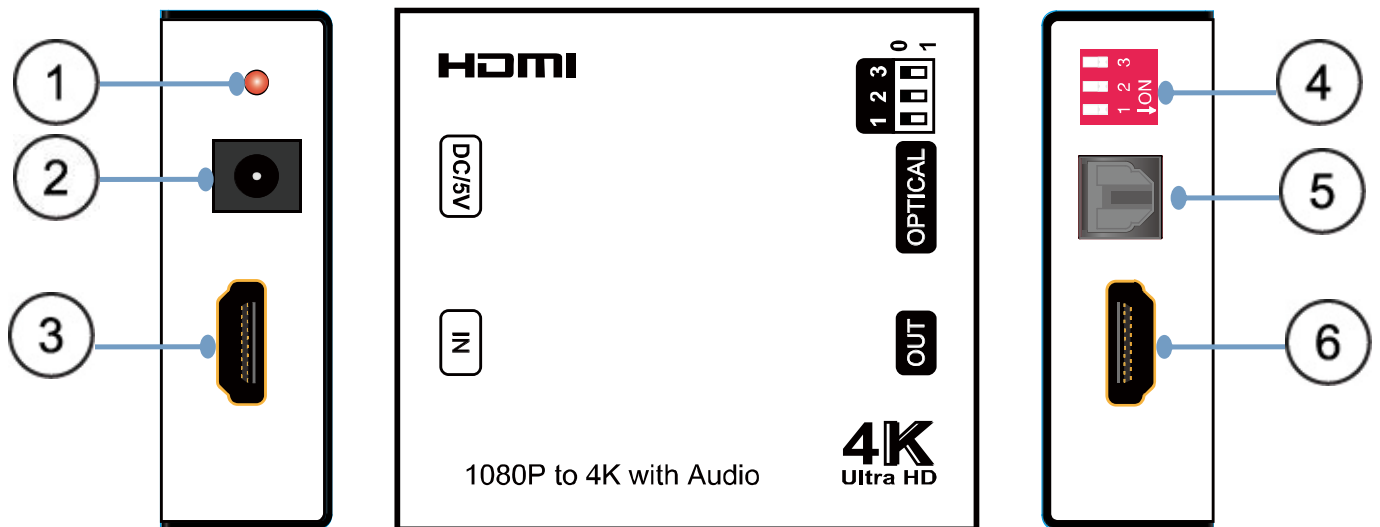
Operating Temperature Range	-5 to +35 °C(+23 to +95 °C)
Operating Humidity Range	5 to 90%RH (No Condensation)
Bandwidth frequency	10.2Gbps
Input port	1x HDMI (female)
Output port	1x HDMI (female) 1x Optical audio output
Resolution outputs	up to 4K x 2K (3840 x 2160 @ 30Hz)
Dimensions (LxWxH)	72x65x21.5mm
Power consumption	1.5W(MAX)
Transmission Distance	20m(Maximum)over standard HDMI cable/26AWG
Net Weight	145g

Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

Package Contents

- HDMI scaler
- 5V DC power adaptor
- User Manual

Panel Description

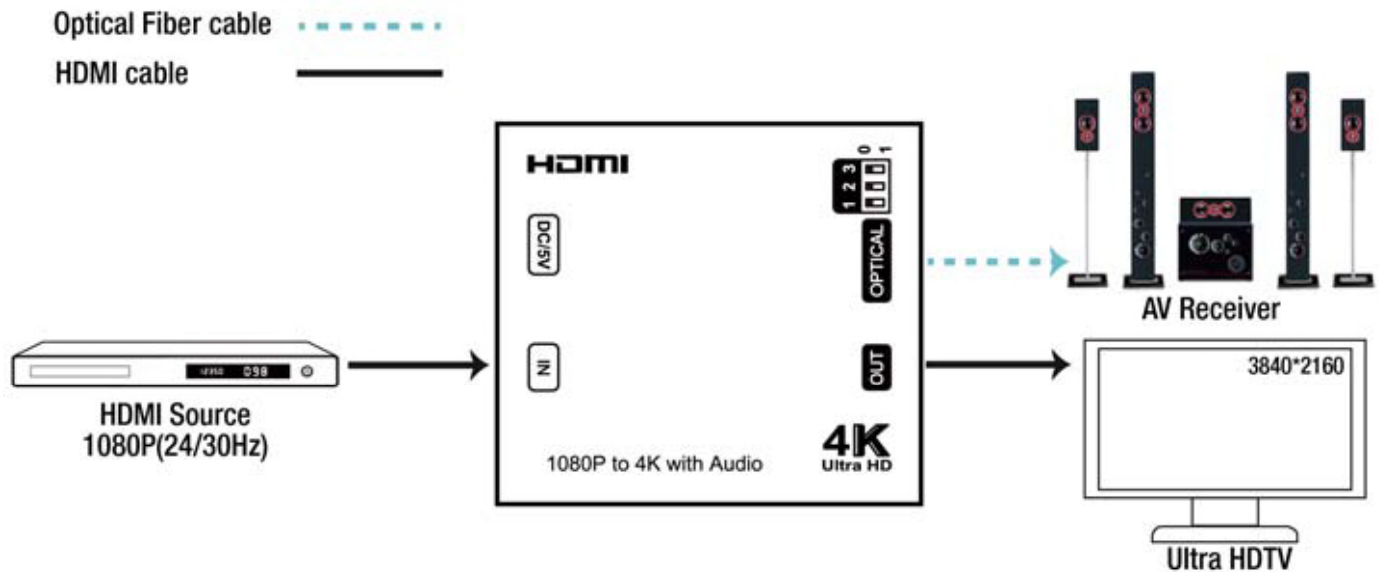


- ① Indicator of HDMI output
- ② Power input
- ③ HDMI input port
- ④ DIP switch
- ⑤ Audio out: Optical
- ⑥ HDMI output port

Switch for EDID setting.

Position ID			Function
1	2	3	
0	0	0	1080P 3D pass-through
0	0	1	1080P 3D 2.0CH PCM
0	1	0	1080P 3D 5.1CH support AC3,DTS audio output
0	1	1	Reserved
1	0	0	Reserved
1	0	1	Reserved
1	1	0	Reserved
1	1	1	Upscale 1080P@24/30Hz to 4kx2k(3840*2160)

Connection Diagram



Connecting and Operating

1. Ensure the scaler is disconnected from power.
2. Connect source to the scaler HDMI input and sink to HDMI output using HDMI high speed cable.
3. Connect the digital audio output port to the input port of your digital audio equipment such as amplifier, or receiver, using Optical Fiber cable.
4. Connect 5VDC power to the scaler.

Attention: Insert/Extract cable gently

Safety information

safeguards



To reduce the risk of electric shock, do not expose this product to rain or moisture

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 of 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.

