The SELLER warrants the **CV-5005ZG-PT HDMI 2.0a 4K EDID Management with Retimer /Repeater & Pigtail Cable** to be free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. **Also, the technical information contained herein regarding the CV-5005ZG-PT features and specifications is subject to change without further notice.**

CV-5005ZG-PT

HDMI 2.0a 4K EDID Management with Retimer/Repeater & Pigtail Cable

User Manual

The **CV-5005ZG-PT HDMI 2.0a 4K EDID Management with Retimer /Repeater & Pigtail Cable** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the **CV-5005ZG-PT** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

The **CV-5005ZG-PT** **HDMI 2.0a 4K EDID Management with Retimer /Repeater & Pigtail Cable** boosts up your HDMI extension transmission over long cable and makes multiple layers cascading of HDMI products possible. With built-in EDID management, the EDID information can be provided to a connected HDMI source device. EDID includes critical information about the capabilities of the connected display, including audio & video format support, HDMI feature support. This device can use not only built-in defult EDIDs and pre-made EDIDs, but also the EDIDs copied from other displays. The CV-5005ZG-PT amplifies and equalizes the HDMI signal to provide high quality audio and video. The power can be provided by HDMI source which follows HDMI spec to provide 5V. If the source cannot provide enough power, the external power can be added to extend HDMI2.0a signal.

FEATURES

- HDMI2.0a compliant
- Supports 4K2K@60 4:4:4 8bits
- Supports HDR[1], which is 4K2K@60 4:2:0 10bits[2]
- HDCP 2.2 compliant
- Supports CEC bypass
- Supports default EDID and EDID learning from display
- Supports LPCM 7.1 audio, Dolby TrueHD, Dolby Digital

> **i**
> 1. HDR = High Dynamic Range.
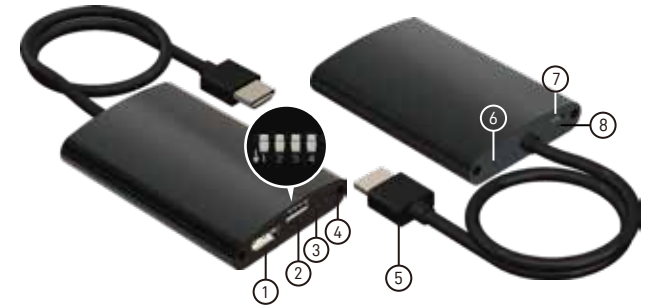> 2. The video bandwidth of 4K2K@60 4:2:0 10bits (HDR) is 384 MHz, and the 4K2K@60 4:4:4 8bits is 594MHz.

PACKAGE CONTENTS

- 1x CV-5005ZG-PT
- 1x DC 5V 1A power supply
- 1x User Manual

SPECIFICATIONS

Model Name	CV-5005ZG-PT
Technical	
Role of usage	HDMII to HDMI Retimer/Repeater
HDMI compliance	HDMI 2.0a
HDCP compliance	Yes
Input Video bandwidth	Single-link 594MHz [18Gbps]
Video support	Up to HDR 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits)
Audio support	Bypass
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]
PCB stack-up	4-layer board [impedance control — differential 100 Ω; single 50 Ω]
CEC Channel	Bypass
Input	1x HDMI
Output	1x HDMI
HDMI connector	Type A [19-pin female]
Mechanical	**CV-5005ZG-PT**
Housing	Metal enclosure

Dimensions [L x D x H]	Model	85 x 60 x 15mm [3.1 x 2.4" x 0.6"]
	Package	140 x 113 x 24mm [5.5" x 4.4" x 0.9"]
	Carton	405 x 275 x 255mm [1'3" x 10.8" x 10"]
Weight	Model	91g [3.2 oz]
	Package	146g [5.1 oz]
Power supply		5V 1A DC
Power consumption		2 Watts [max]
Operation temperature		0~40º C [32~104º F]
Storage temperature		-20~60º C [-4~140º F]
Relative humidity		20~90% RH [no condensation]

PANEL DESCRIPTIONS

1. **HDMI OUT:** Connect to an HDMI display with an HDMI male-male cable here
2. **EDID MODE:** See more detail in the DIP SWITCH SETTING section
3. **LED:** Link indicator LED
4. **LED:** Learning EDID indicator LED
5. **HDMI IN:** Connect to an HDMI source
6. **LED:** Input signal indicator LED
7. **Micro USB:** Connect to a 5V DC power supply / FW update
8. **LED:** Power indicator

DIP SWITCH SETTING

DIP Switch Position				Description
Mode	PIN#2	PIN#3	PIN#4	
1	OFF[↑]	OFF[↑]	OFF[↑]	Use learning EDID
2	OFF[↑]	OFF[↑]	ON[↓]	Full HD(1080p@60) – 8bit 2D video & 7.1ch audio
3	OFF[↑]	ON[↓]	OFF[↑]	Full HD(1080p@60) – 8/10/12bit 2D video & 7.1ch audio
4	OFF[↑]	ON[↓]	ON[↓]	Ultra HD(4K2K@60 4:2:0) – 8/10/12bit 3D video & 2ch audio
5	ON[↓]	OFF[↑]	OFF[↑]	Ultra HD(4K2K@60 4:2:0) – 8/10/12bit 3D video & 7.1ch audio
6	ON[↓]	ON[↓]	OFF[↑]	Ultra HD(4K2K@60) – 8/10/12bit 3D HDR video & 2ch audio
7	ON[↓]	OFF[↑]	ON[↓]	Ultra HD(8K4K@30)[1](4K2K@60) – 8/10/12bit 3D HDR video & 7.1ch audio
8	ON[↓]	ON[↓]	ON[↓]	User define mode(need to use software)

DIP Switch Position	Description
PIN#1	
OFF[↑]	HDMI Mode
ON[↓]	DVI Mode

> **!** 1. Only Supports 8K4K@30 4:2:0 8bits