



**4K2K**  
**HDCP2.2**

## **SY-300H-4K22**

**Full 4K HDMI to HDMI Scaler with Audio Embedding  
& De-Embedding**

**OPERATION MANUAL**

**HDMI**<sup>®</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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Version 1.1

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## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

| VERSION NO. | DATE       | SUMMARY OF CHANGE   |
|-------------|------------|---------------------|
| v1.00       | 25/09/2018 | First release       |
| v1.01       | 15/11/2024 | Updated cover image |

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## 1. INTRODUCTION

This SY-300H-4K22 accepts and outputs a wide range of resolutions up to 4K@60Hz (4:4:4, 8-bit) with simultaneous audio embedding and de-embedding of digital (HDMI or optical) or analogue audio. Integrated EDID and HDCP management allow for control over the connected sources and displays detected by the unit. The scaled HDMI output is powered by a high quality single-pass scaling engine with the ability to adjust the image with a number of fine tuning options including: contrast, brightness, hue, saturation, sharpness, noise reduction, and RGB levels. 3-D motion adaptive de-interlacing and frame rate conversion is supported as well.

The HDMI input and output supports passing up to LPCM 7.1 digital audio as well as Bitstream and HD Bitstream audio formats. Audio embedding and de-embedding is also available with the included digital optical and analogue stereo audio inputs and outputs (LPCM 2.0 only). Shortcut keys allow the user to quickly change the output resolution to 1080p@60Hz or XGA when needed for quick connection to a display or for troubleshooting purposes.

This is an ideal device to integrate previously incompatible sources and displays in your boardroom, classroom, or home. This unit is controlled via a comprehensive On-Screen Display (OSD) menu that provides the user with easy access to all settings.

## 2. APPLICATIONS

- /// Entertainment Rooms & Home Theaters
- /// Showrooms & Demo Rooms
- /// Lecture Hall Presentations
- /// Public Commercial Displays
- /// AV Equipment and Control Rooms

## 3. PACKAGE CONTENTS

- /// 1×HDMI to HDMI Scaler
- /// 1×5V/2.6A DC Power Adapter
- /// 1×Operation Manual

## 4. SYSTEM REQUIREMENTS

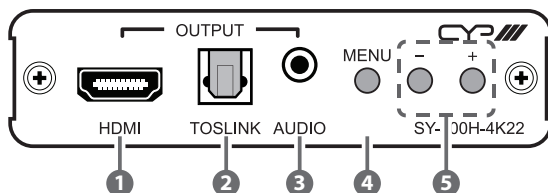
- /// HDMI input source equipment such as a media player, video game console or set-top box.
- /// HDMI receiving equipment such as an HDTV, monitor or audio amplifier.
- /// The use of “Premium High Speed HDMI” cables is highly recommended.

## 5. FEATURES

- /// HDMI input and output with 18Gbps (600MHz) 4K UHD support
- /// DVI 1.0 compliant with the use of an HDMI-DVI adaptor
- /// HDCP 2.2 and HDCP 1.x compliant
- /// 1 x HDMI input and 1 x HDMI output
- /// 1 x Digital Optical Audio (TOSLINK) and 1 Analogue Stereo Audio input
- /// 1 x Digital Optical Audio (TOSLINK) and 1 Analogue Stereo Audio output
- /// HDMI input supports resolutions up to 4096×2160p@60Hz (4:4:4, 8-bit)
- /// Scaled HDMI output supports resolutions from 640×480@60Hz up to 4096×2160p@60Hz (4:4:4, 8-bit)
- /// Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream via HDMI
- /// Supports audio embedding and de-embedding via digital optical and analogue stereo audio inputs and outputs (LPCM 2.0 only)
- /// Supports frame rate conversion, 3-D motion adaptive de-interlacing, and 3:2/2:2 pull-down detection and recovery
- /// Supports output adjustments to contrast, brightness, hue, saturation, sharpness, RGB levels and aspect ratio
- /// Integrated EDID and HDCP management
- /// Controllable via front panel buttons with comprehensive OSD

## 6. OPERATION CONTROLS AND FUNCTIONS

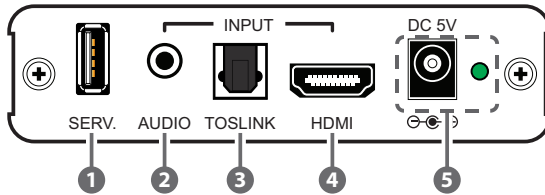
### 6.1 Front Panel



- 1 HDMI OUTPUT:** Connect to an HDMI TV, monitor or amplifier for digital video and audio output.
- 2 TOSLINK INPUT:** Connect to powered speakers or an amplifier for digital audio output using an appropriate optical cable.
- 3 AUDIO INPUT:** Connect to powered speakers or an amplifier for stereo analog audio output.
- 4 MENU:** Press to enter the OSD menu, to confirm a selection within the OSD or to go deeper into a menu item. To back out from menu items or exit the menu, select the “Exit” option.
- 5 – & +:** Press to move up and down or adjust selections within OSD menus.

*Note: Pressing “MENU” and “+” together will reset the output resolution to XGA (1024×768@60Hz). Pressing “MENU” and “-” together will reset the output resolution to 1080p@60Hz. Pressing and holding the “-” button while powering the unit on will perform a factory reset.*

## 6.2 Rear Panel



- ➊ **SERV.:** This port is reserved for firmware update use only.
- ➋ **AUDIO INPUT:** Connect to the stereo analog output of a device such as an audio player or PC.
- ➌ **TOSLINK INPUT :** Connect to the optical audio output of a device such as a media player or game console using an appropriate optical cable.
- ➍ **HDMI INPUT:** Connect to HDMI source equipment such as a media player, game console or set-top box.
- ➎ **DC 5V & LED:** Plug the 5V DC power adapter into this port and connect it to an AC wall outlet for power. The LED will illuminate to indicate the unit is on and receiving power.

### 6.3 OSD Menu

All functions of this unit can be controlled by using the OSD (On Screen Display) which is activated by pressing the MENU button on the front of the unit. Use the + (Plus), – (Minus), and MENU buttons to navigate the OSD menu. Select the “EXIT” option to back out from any menu item and then select it again to close the menu.

| MAIN MENU          |
|--------------------|
| <b>Video</b>       |
| <b>Picture</b>     |
| <b>Audio</b>       |
| <b>OSD</b>         |
| <b>EDID</b>        |
| <b>Reset</b>       |
| <b>FW Update</b>   |
| <b>Information</b> |
| <b>Exit</b>        |

The individual functions of the OSD will be introduced in the following section. Items marked in **BOLD** are the factory default settings.

| VIDEO     |              |           |
|-----------|--------------|-----------|
| 2ND LEVEL | 3RD LEVEL    | 4TH LEVEL |
| Output    | 640×480 60   |           |
|           | 800×600 60   |           |
|           | 1024×768 60  |           |
|           | 1280×768 60  |           |
|           | 1280×800 60  |           |
|           | 1280×1024 60 |           |
|           | 1360×768 60  |           |
|           | 1400×1050 60 |           |
|           | 1440×900 60  |           |
|           | 1600×1200 60 |           |

| VIDEO          |                      |           |
|----------------|----------------------|-----------|
| 2ND LEVEL      | 3RD LEVEL            | 4TH LEVEL |
| Output (cont.) | 1680×1050 60         |           |
|                | 1920×1200 60 RB      |           |
|                | 2560×1600 60         |           |
|                | 1920×1080 60         |           |
|                | 1280×720 60          |           |
|                | 2048×1080 50         |           |
|                | 2048×1080 60         |           |
|                | 2560×1440 60 RB      |           |
|                | 720×480P 60          |           |
|                | 1280×720P 60         |           |
|                | <b>1920×1080P 60</b> |           |
|                | 720×576P 50          |           |
|                | 1280×720P 50         |           |
|                | 1920×1080P 50        |           |
|                | 1920×1080P 24        |           |
|                | 1920×1080P 25        |           |
|                | 1920×1080P 30        |           |
|                | 2560×1080P 50        |           |
|                | 2560×1080P 60        |           |
|                | 3840×2160P 24        |           |
|                | 3840×2160P 25        |           |
|                | 3840×2160P 30        |           |
|                | 3840×2160P 50        |           |
|                | 3840×2160P 60        |           |
|                | 4096×2160P 24        |           |
|                | 4096×2160P 25        |           |
|                | 4096×2160P 30        |           |
|                | 4096×2160P 50        |           |
|                | 4096×2160P 60        |           |
|                | Native               |           |

| VIDEO           |                         |            |
|-----------------|-------------------------|------------|
| 2ND LEVEL       | 3RD LEVEL               | 4TH LEVEL  |
| Aspect          | Over Scan               |            |
|                 | <b>FULL</b>             |            |
|                 | Best Fit                |            |
|                 | Pan Scan                |            |
|                 | Letter Box              |            |
|                 | Under 2                 |            |
|                 | Under 1                 |            |
|                 | Follow In               |            |
|                 | Zoom Mode               |            |
| Zoom Mode Ratio | 60~180 ( <b>100</b> )   |            |
| HDCP            | Off                     |            |
|                 | Refer to Source         |            |
|                 | <b>REFER TO DISPLAY</b> |            |
| No Signal Color | <b>BLACK</b>            |            |
|                 | White                   |            |
|                 | Blue                    |            |
|                 | Red                     |            |
|                 | Green                   |            |
| Blank           | <b>OFF</b>              |            |
|                 | On                      |            |
| Freeze          | <b>OFF</b>              |            |
|                 | On                      |            |
| Auto Sync Off   | <b>OFF</b>              |            |
|                 | 30s                     |            |
|                 | 60s                     |            |
|                 | 3 Min                   |            |
| Auto Sync Off   | 5 Min                   |            |
|                 | 10 Min                  |            |
| Output Setting  | Bypass Enable           | <b>OFF</b> |
|                 |                         | On         |

| VIDEO                  |                      |            |
|------------------------|----------------------|------------|
| 2ND LEVEL              | 3RD LEVEL            | 4TH LEVEL  |
| Output Setting (cont.) | Output 4K(6G) YUV420 | <b>OFF</b> |
|                        |                      | On         |
|                        | EXIT                 |            |
| Exit                   |                      |            |

- 1) **Output:** Selects the output resolution to use. Selecting “Native” will make the unit automatically select an output resolution based on the detected EDID of the connected display.
- 2) **Aspect:** Selects the aspect ratio to use when outputting the source. “Full” stretches the source to fill the output resolution, regardless of the original aspect ratio, while “Best Fit” will always attempt to retain the original source’s correct aspect ratio by adding black bars if necessary. “Follow In” centers the source on the screen, without any scaling (1:1 pixel reproduction). Selecting “Zoom Mode” activates the free-scaling zoom mode which allows for a zoom/shrink level to be manually selected using the “Zoom Mode Ratio” setting.

*Note: Some video noise might be present when using the “Follow In” mode if the selected output resolution is 4096x2160@60Hz and the source is at, or above, 1680x1050 but below 3840x2160.*

- 3) **Zoom Mode Ratio:** Sets the percentage amount to zoom or shrink the image when “Zoom Mode” is active.
- 4) **HDCP:** Selects the HDCP logic to use with the HDMI input. Setting this to “Off” will completely disable HDCP support on that input.
- 5) **No Signal Color:** Selects the free run color to use when no live input source is detected.
- 6) **Blank:** Allows for the output video and audio to be blanked/ muted.
- 7) **Freeze:** Allows for the output video to be frozen. While the output is frozen, audio output will also be muted.
- 8) **Auto Sync Off:** Sets the amount of time to continue outputting sync with the free run color if there is no live source and no operations have been executed on the unit. Setting this to “OFF” forces the unit to always output sync.
- 9) **Output Setting:** Allows for configuring the following special video signal handling functions.
  - **Bypass Enable:** Enables or disables source bypass mode.

When this is enabled, the video signal will be passed without modification.

- **Output 4K(6G) YUV420:** Enables or disables the 4K@50/60 4:4:4 to 4K@50/60 4:2:0 color space conversion function.

*Note: Enabling Bypass mode will grey-out/disable the following Video Menu sections: Aspect, Zoom Mode Ratio, Freeze, Blank, and the entire Picture Menu section.*

| PICTURE        |                     |
|----------------|---------------------|
| 2ND LEVEL      | 3RD LEVEL           |
| Color Gain R   | 0~1023 <b>(512)</b> |
| Color Gain G   | 0~1023 <b>(512)</b> |
| Color Gain B   | 0~1023 <b>(512)</b> |
| Color Offset R | 0~1023 <b>(512)</b> |
| Color Offset G | 0~1023 <b>(512)</b> |
| Color Offset B | 0~1023 <b>(512)</b> |
| Brightness     | 0~60 <b>(30)</b>    |
| Contrast       | 0~60 <b>(30)</b>    |
| Hue            | 0~60 <b>(30)</b>    |
| Saturation     | 0~60 <b>(30)</b>    |
| Sharpness      | 0~63 <b>(0)</b>     |
| NR             | <b>OFF</b>          |
|                | Low                 |
|                | Middle              |
|                | High                |
|                | Auto                |
| Reset Picture  |                     |
| Exit           |                     |

- 1) **Color Gain R/G/B:** These controls provide control over the red, green, and blue color gain level of the scaled output.
- 2) **Color Offset R/G/B:** These controls provide control over the red,

green, and blue color offset level of the scaled output.

- 3) **Brightness:** Provides control over the overall brightness of the scaled output image.
- 4) **Contrast:** Provides control over the overall contrast of the scaled output image.
- 5) **Hue:** Provides control over the hue shift of the scaled output image.
- 6) **Saturation:** Provides control over the color saturation level of the scaled output image.
- 7) **Sharpness:** Provides control over the amount of sharpness processing to apply to the scaled output image.
- 8) **NR:** Provides control over the aggressiveness of the digital noise reduction processing when applied to the scaled output image. Selecting "Off" disables all noise reduction processing.
- 9) **Reset Picture:** Selecting this will reset all picture settings back to their factory defaults.

| AUDIO        |                     |
|--------------|---------------------|
| 2ND LEVEL    | 3RD LEVEL           |
| Source       | <b>AUTO</b>         |
|              | TOSLINK             |
|              | Analog              |
| Volume       | 0~100 ( <b>80</b> ) |
| HDMI Mute    | <b>OFF</b>          |
|              | On                  |
| TOSLINK Mute | <b>OFF</b>          |
|              | On                  |
| Analog Mute  | <b>OFF</b>          |
|              | On                  |
| Reset Audio  |                     |
| Exit         |                     |

- 1) **Source:** Provides control over the selection of the audio source to output. In "Auto" mode, if no audio source is detected the audio input

will automatically switch to the analog input.

*Note: If "Auto" is selected, and there is no video source, the analog audio will be heard while the free run color is displayed.*

- 2) **Volume:** Provides control over the audio source's volume level.  
*Note: HDMI to HDMI audio is bypass only and the volume can not be adjusted.*
- 3) **HDMI Mute:** Mutes or unmutes the HDMI output's audio.
- 4) **TOSLINK Mute:** Mutes or unmutes the TOSLINK output's audio.
- 5) **Analog Mute:** Mutes or unmutes the analog output's audio.
- 6) **Reset Audio:** Selecting this will reset all audio settings back to their factory defaults.

| OSD         |                  |
|-------------|------------------|
| 2ND LEVEL   | 3RD LEVEL        |
| H Position  | 0~60 <b>(30)</b> |
| V Position  | 0~60 <b>(30)</b> |
| Timer       | <b>OFF</b>       |
|             | 5s               |
|             | 10s              |
|             | 15s              |
|             | 20s              |
|             | 25s              |
|             | 30s              |
|             | 35s              |
|             | 40s              |
| Timer       | 45s              |
|             | 50s              |
|             | 55s              |
|             | 60s              |
| Transparent | 0~50 <b>(50)</b> |

| OSD       |           |
|-----------|-----------|
| 2ND LEVEL | 3RD LEVEL |
| Display   | Off       |
|           | On        |
|           | <b>5S</b> |
|           | 10s       |
| Reset OSD |           |
| Exit      |           |

- 1) **H Position:** Set the horizontal position of the OSD menu.
- 2) **V Position:** Set the vertical position of the OSD menu.
- 3) **Timer:** Set the length of time to wait before automatically turning off the OSD menu if there is no user interaction. The timer may also be disabled.
- 4) **Transparent:** Set the transparency level of the OSD menu. A setting of 50 is completely opaque.
- 5) **Display:** Enable or disable the information display and set the length of time for the information display to be visible after a source or resolution change.
- 6) **Reset OSD:** Selecting this will reset all OSD settings back to their factory defaults.

| EDID      |                |
|-----------|----------------|
| 2ND LEVEL | 3RD LEVEL      |
| HDMI EDID | <b>FHD 2CH</b> |
|           | FHD MCh        |
|           | UHD 2Ch        |
|           | UHD MCh        |
|           | UHD+ 2Ch       |
|           | UHD+ MCh       |
|           | Output         |
|           | Auto Output    |
| Exit      |                |

- 1) **HDMI EDID:** Select the EDID to use with the HDMI input. Selecting “Output” will copy and use the current sink’s EDID but will not re-copy the EDID if the sink is changed. Selecting “Auto Output” will automatically copy and use the EDID from the current sink every time a new sink is connected.

| RESET     |           |
|-----------|-----------|
| 2ND LEVEL | 3RD LEVEL |
| Reset All |           |
| Exit      |           |

- 1) **Reset All:** Selecting this will reset the unit’s settings back to their factory defaults.

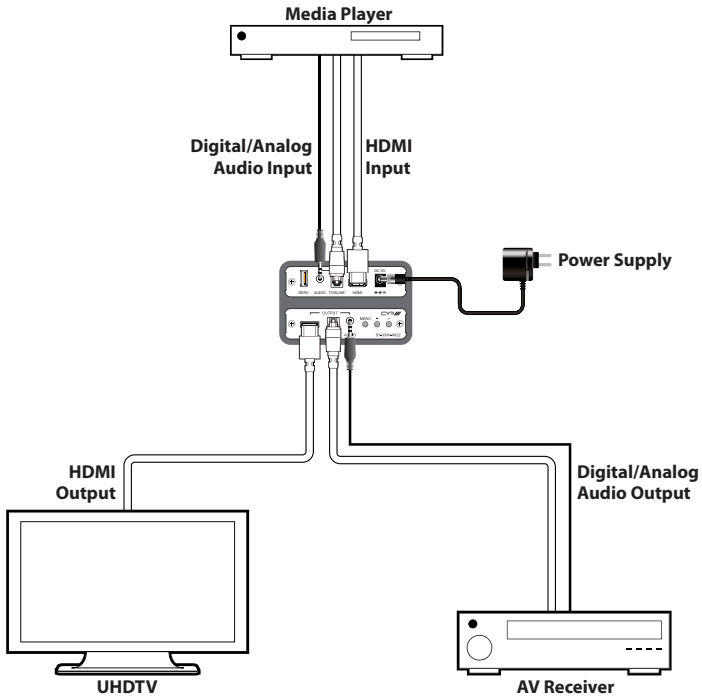
| FW UPDATE       |           |
|-----------------|-----------|
| 2ND LEVEL       | 3RD LEVEL |
| Update From USB |           |
| Exit            |           |

- 1) **Update from USB:** Provides a way to update the unit’s firmware. Insert a USB thumb drive, with a valid firmware file (\*.bin format) in the root directory, into the unit’s USB service port then select this option. After the update is complete the unit will automatically reboot.

| INFORMATION       |                          |
|-------------------|--------------------------|
| 2ND LEVEL         | 3RD LEVEL                |
| Input Format      | [Current Status Details] |
| Input Color       |                          |
| Input Resolution  |                          |
| Input HDCP        |                          |
| Output Format     |                          |
| Output Color      |                          |
| Output Resolution |                          |
| Output HDCP       |                          |
| Sink HDCP         |                          |
| Version           |                          |

- 1) **Information:** This screen displays information about the unit's current state, input and output status, as well as the current firmware version.

## 7. CONNECTION DIAGRAM



## 8. SPECIFICATIONS

### 8.1 Technical Specifications

|                              |   |
|------------------------------|---|
| <b>HDMI Bandwidth</b>        | 600MHz/18Gbps   |
| <b>Input Ports</b>           | 1×HDMI<br>1×Stereo (3.5mm)<br>1×S/PDIF (TOSLINK)  |
| <b>Output Ports</b>          | 1×HDMI<br>1×Stereo (3.5mm)<br>1×S/PDIF (TOSLINK)  |
| <b>Power Supply</b>          | 5V/2.6A DC<br>(US/EU standards, CE/FCC/UL certified)                                      |
| <b>ESD Protection</b>        | Human Body Model:<br>±8kV (Air Discharge)<br>±4kV (Contact Discharge)                     |
| <b>Dimensions</b>            | 102mm×25mm×147mm (W×H×D)<br>[Case Only]<br>102mm×25mm×155.75mm (W×H×D)<br>[All Inclusive] |
| <b>Weight</b>                | 350g  |
| <b>Chassis Material</b>      | Aluminum  |
| <b>Silkscreen Color</b>      | Black   |
| <b>Operating Temperature</b> | 0 °C–40 °C/32 °F–104 °F   |
| <b>Storage Temperature</b>   | -20 °C–60 °C/-4 °F–140 °F   |
| <b>Relative Humidity</b>     | 20–90% RH (Non-condensing)  |
| <b>Power Consumption</b>     | 11W   |

## 8.2 Video Specifications

| Supported PC Resolution (Hz)  | HDMI Input | HDMI Output |
|-------------------------------|------------|-------------|
| <b>640×480@60/72/75/85</b>    | ✓          | 60Hz        |
| <b>800×600@56/60/72/75/85</b> | ✓          | 60Hz        |
| <b>1024×768@60/70/75/85</b>   | ✓          | 60Hz        |
| <b>1280×720@50/60</b>         | ✓          | 60Hz        |
| <b>1280×768@60/75/85</b>      | ✓          | 60Hz        |
| <b>1280×800@60/60 (RB)</b>    | ✓          | 60Hz        |
| <b>1280×1024@60</b>           | ✓          | ✓           |
| <b>1360×768@60</b>            | ✓          | ✓           |
| <b>1400×1050@60/60 (RB)</b>   | ✓          | 60Hz        |
| <b>1440×900@60/60 (RB)</b>    | ✓          | 60Hz        |
| <b>1600×1200@60</b>           | ✓          | ✓           |
| <b>1680×1050@60/60 (RB)</b>   | ✓          | 60Hz        |
| <b>1920×1080@60</b>           | ✓          | ✓           |
| <b>1920×1200@60 (RB)</b>      | ✓          | ✓           |
| <b>2560×1600@60</b>           | ✓          | ✓           |
| <b>2048×1080@50</b>           | ✓          | ✓           |
| <b>2048×1080@60</b>           | ✓          | ✓           |
| <b>2560×1440@60 (RB)</b>      | ✓          | ✓           |

| Supported TV Resolution (Hz) | HDMI Input | HDMI Output |
|------------------------------|------------|-------------|
| <b>720×480i@60</b>           | ✓          | x           |
| <b>720×480p@60</b>           | ✓          | ✓           |
| <b>720×576i@50</b>           | ✓          | x           |
| <b>720×576p@50</b>           | ✓          | ✓           |
| <b>1280×720p@50/60</b>       | ✓          | ✓           |

| Supported TV Resolution (Hz)     | HDMI Input | HDMI Output |
|----------------------------------|------------|-------------|
| <b>1920×1080i@50/60</b>          | ✓          | x           |
| <b>1920×1080p@24/25/30/50/60</b> | ✓          | ✓           |
| <b>2560×1080p@50/60</b>          | ✓          | ✓           |
| <b>3840×2160p@24/25/30/50/60</b> | ✓          | ✓           |
| <b>4096×2160p@24/25/30/50/60</b> | ✓          | ✓           |

### 8.3 Audio Specifications

| Analog Input           |            |
|------------------------|------------|
| <b>Max Audio Level</b> | 2Vrms      |
| <b>Impedance</b>       | 499kΩ      |
| <b>Type</b>            | Unbalanced |

| Analog Output             |                           |
|---------------------------|---------------------------|
| <b>Max Audio Level</b>    | 2Vrms                     |
| <b>THD+N</b>              | < -80dB@0dBFS 1kHz (A-wt) |
| <b>SNR</b>                | > 70dB@0dBFS              |
| <b>Frequency Response</b> | < ±3dB@20Hz~20kHz         |
| <b>Crosstalk</b>          | < -70dB@10kHz             |
| <b>Impedance</b>          | 499Ω                      |
| <b>Type</b>               | Unbalanced                |

| Digital (S/PDIF) Input     |  |
|----------------------------|--|
| <b>Sampling Rate (kHz)</b> | 32, 44.1, 48, 82, 88.2, 96, 176.4, 192 |

| Digital (S/PDIF) Output    |    |
|----------------------------|----|
| <b>Sampling Rate (kHz)</b> | 48 |

### 8.4 Cable Specifications

| HDMI Cable Length | 1080p |        | 4K    |
|-------------------|-------|--------|-------|
|                   | 8-bit | 12-bit | 8-bit |
| <b>Input</b>      | 15m   | 10m    | 3m    |
| <b>Output</b>     | 15m   | 10m    | 3m    |

## 9. ACRONYMS

| ACRONYM       | COMPLETE TERM                             |
|---------------|---|
| <b>CEC</b>    | Consumer Electronics Control              |
| <b>DVI</b>    | Digital Visual Interface                  |
| <b>EDID</b>   | Extended Display Identification Data      |
| <b>HD</b>     | High-Definition                           |
| <b>HDCP</b>   | High-bandwidth Digital Content Protection |
| <b>HDMI</b>   | High-Definition Multimedia Interface      |
| <b>HDR</b>    | High Dynamic Range                        |
| <b>HDTV</b>   | High-Definition Television                |
| <b>LPCM</b>   | Linear Pulse-Code Modulation              |
| <b>OSD</b>    | On-Screen Display                         |
| <b>PC</b>     | Personal Computer                         |
| <b>S/PDIF</b> | Sony/Philips Digital Interface Format     |
| <b>SNR</b>    | Signal-to-Noise Ratio                     |
| <b>THD+N</b>  | Total Harmonic Distortion plus Noise      |
| <b>UHD</b>    | Ultra-High-Definition                     |
| <b>UHDTV</b>  | Ultra-High-Definition Television          |
| <b>USB</b>    | Universal Serial Bus                      |







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CYP (UK) Ltd., Unit 7, Shepperton Business Park, Govett Avenue,  
Shepperton, Middlesex, TW17 8BA

Tel: +44 (0) 20 3137 9180 | Fax: +44 (0) 20 3137 6279

Email: [sales@cypeurope.com](mailto:sales@cypeurope.com)

[www.cypeurope.com](http://www.cypeurope.com)

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