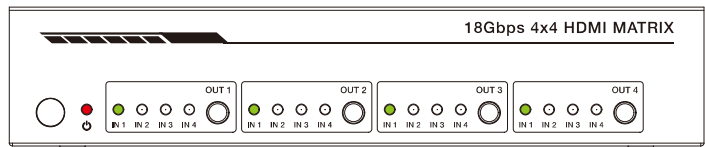




KEY FEATURES:

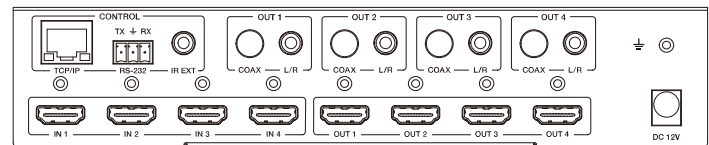
- Compliant with HDCP 2.2 / HDCP 1.4
- Video resolution up to 4K@60Hz YUV 4:4:4
- Four output can be individually scaled (4K to 1080p)
- Support 18Gbps bandwidth
- De-embedded audio to analog L/R and coaxial output
- Built-in Web GUI for TCP/IP control, RS232, IR Remote
- Advanced EDID management supported

Operation Controls and Functions



| Technical | | | | | | | | | |
|---|--|----------------------|-------------------------|----------------------|-------------------------|---------------|-----------|------------|------------|
| HDMI Compliance | HDMI 2.0 | | | | | | | | |
| HDCP Compliance | HDCP 2.2 and HDCP 1.4 | | | | | | | | |
| Video Bandwidth | 18Gbps | | | | | | | | |
| Video Resolution | 4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200 | | | | | | | | |
| Output Scaling | 4K→1080p | | | | | | | | |
| 3D Support | Yes | | | | | | | | |
| Color Space | RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0 | | | | | | | | |
| Color Depth | 8-bit, 10-bit, 12-bit [1080P, 4K30Hz, 4K60Hz (YCbCr 4:2:0)] 8-bit [4K60Hz (YCbCr 4:4:4)] | | | | | | | | |
| HDMI Audio Formats | PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD | | | | | | | | |
| Coaxial Audio Formats | PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1 | | | | | | | | |
| L/R Audio Formats | PCM2.0CH | | | | | | | | |
| HDR Support | HDR10, HDR10+, Dolby Vision, HLG | | | | | | | | |
| ESD Protection | Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge) | | | | | | | | |
| Connections | | | | | | | | | |
| Input Ports | 4 x HDMI Type A [19-pin female] | | | | | | | | |
| Output Ports | 4 x HDMI Type A [19-pin female] 4 x L/R audio out [3.5mm Stereo Mini-jack] 4 x COAX audio out [RCA] | | | | | | | | |
| Control ports | 1 x TCP/IP [RJ45] 1 x RS-232 [3-pin phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] | | | | | | | | |
| Mechanical | | | | | | | | | |
| Housing | Metal Enclosure | | | | | | | | |
| Color | Black | | | | | | | | |
| Dimensions | 220mm (W)×105mm (D)×44mm (H) | | | | | | | | |
| Weight | 792g | | | | | | | | |
| Power Supply | Input: AC100~240V 50/60Hz Output: DC12V/2.5A (Locking connector) | | | | | | | | |
| Power Consumption | 10W (Max), 1.56W (Standby mode) | | | | | | | | |
| Operating Temperature | 0°C ~ 40°C / 32°F ~ 104°F | | | | | | | | |
| Storage Temperature | -20°C ~ 60°C / -4°F ~ 140°F | | | | | | | | |
| Relative Humidity | 20~90% RH (non-condensing) | | | | | | | | |
| Resolution / Cable Length | <table border="1"> <thead> <tr> <th></th> <th>4K60 - Feet / Meters</th> <th>4K30 - Feet / Meters</th> <th>1080P60 - Feet / Meters</th> </tr> </thead> <tbody> <tr> <td>HDMI IN / OUT</td> <td>10ft / 3M</td> <td>30ft / 10M</td> <td>42ft / 15M</td> </tr> </tbody> </table> | | 4K60 - Feet / Meters | 4K30 - Feet / Meters | 1080P60 - Feet / Meters | HDMI IN / OUT | 10ft / 3M | 30ft / 10M | 42ft / 15M |
| | 4K60 - Feet / Meters | 4K30 - Feet / Meters | 1080P60 - Feet / Meters | | | | | | |
| HDMI IN / OUT | 10ft / 3M | 30ft / 10M | 42ft / 15M | | | | | | |
| The use of "Premium High Speed HDMI" cable is highly recommended. | | | | | | | | | |

| Name | Function Description |
|--------------------|---|
| IR Receiver Window | IR input for remote control of the Matrix. |
| POWER LED | Red LED indicates that the unit is powered on. |
| OUT 1/2/3/4 button | <ul style="list-style-type: none"> ▪ Short press to circularly select the desired input source IN 1/2/3/4 for OUT 1/2/3/4 port output. ▪ Press OUT 1/2/3/4 button for 3 seconds to switch Scaler mode for the OUT 1/2/3/4 port. |
| IN 1/2/3/4 LED | When IN 1/2/3/4 port is selected as the input channel for OUT 1/2/3/4 port, the corresponding green LED will be on. |



| Name | Function Description |
|---|---|
| TCP/IP | Control port for TCP/IP control or accessing the built-in Web GUI. |
| RS-232 | 3-pin pluggable connector for RS-232 control of the Matrix. |
| IR EXT | If the IR receiver window of the unit is blocked or the unit is installed in a closed area out of infrared line of sight, the IR receiver cable can be inserted to the "IR EXT" port to receive the IR remote signal. |
| Coaxial Audio OUT 1 / OUT 2 / OUT 3 / OUT 4 | RCA connector for coaxial audio output from HDMI OUT 1 / OUT 2 / OUT 3 / OUT 4. |
| L/R Audio OUT 1 / OUT 2 / OUT 3 / OUT 4 | 3.5mm Mini-jack connector for stereo audio output from HDMI OUT 1 / OUT 2 / OUT 3 / OUT 4. |
| GND | Screw terminal for earthing the Matrix. |
| IN 1/2/3/4 port | HDMI signal input port, connected to HDMI source device such as DVD or PS4 with an HDMI cable. |
| OUT 1/2/3/4 port | HDMI signal output port, connected to HDMI display device such as TV or monitor with HDMI cable. |
| DC 12V | DC 12V input for 12V 2.5A PSU. |

Application Diagram

