

Magenta Ultra Slim Distribution Amplifiers

MG-DA-61x SERIES

HDMI 2.0 distribution with downscaling



OVERVIEW

The Magenta Research MG-DA-61x series of ultra-slim HDMI 2.0 Splitters and Distribution Amplifiers provide a high-performance solution for distributing HDMI signals with video output up to 4K2K@60Hz (YUV444) resolutions and HDR (High Dynamic Range Imaging) support, which gives the most life like video experience with down scaling available to 1080p. Support is also offered for up to 32 audio channels with sampling rates up to 192kHz and passthrough of 7.1 channels of digital audio including high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and Dolby Atmos.

KEY FEATURES

- ◆ Supports HDMI 2.0 and up to 4K@60Hz 4:4:4.
- ◆ HDCP 2.2
- ◆ HDR
- ◆ 3D pass through
- ◆ Down scaling to 1080p on each independent output
- ◆ 18Gbps high bandwidth
- ◆ Ultra Slim less than 18mm in height
- ◆ Advanced EDID management
- ◆ Supports CEC pass through

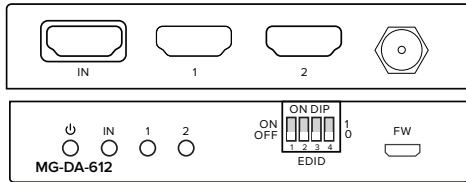
| | |
|--------------------|---|
| MG-DA-612 | 1x2 4K60 HDMI 2.0 Splitter with HDCP 2.2 and down scaling |
| MG-DA-614 | 1x4 4K60 HDMI 2.0 Distribution Amplifier with HDCP 2.2 and down scaling |
| MG-DA-618 | 1x8 4K60 HDMI 2.0 Distribution Amplifier with HDCP 2.2 and down scaling |
| PS-05-10-LK | Replacement PSU for MG-DA-612 and MG-DA-614 |
| PS-12-10-LK | Replacement PSU for MG-DA-618 |

SPECIFICATIONS

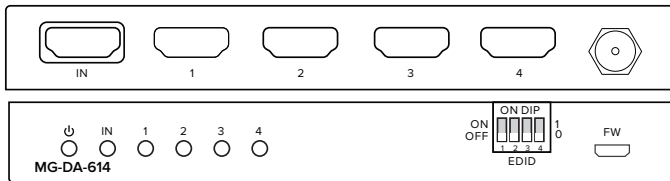
| | MG-DA-612 | MG-DA-614 | MG-DA-618 |
|------------------------|---|-----------|-----------|
| Video Input | | | |
| Input | (1) HDMI | | |
| Input Connector | (1) Type-A female HDMI | | |
| HDMI Input Resolution | Up to 4Kx2K@60Hz 4:4:4 8bit | | |
| HDMI Standard | 2.0a | | |
| HDCP Version | 2.2, 1.4 compliant | | |
| CEC | Supported | | |
| Video Output | | | |
| Output | (2) HDMI | (4) HDMI | (8) HDMI |
| Output Connector | Type-A female HDMI | | |
| HDMI Output Resolution | Up to 4Kx2K@60Hz 4:4:4 8bit | | |
| HDMI | 2.0 | | |
| HDCP | 2.2, 1.4 compliant | | |
| CEC | Supported | | |
| Control | | | |
| Control Part | (1) EDID 4-pin DIP switch, (1) Micro-USB port | | |

| | MG-DA-612 | MG-DA-614 | MG-DA-618 |
|--------------------------|---|---------------------------------------|---------------------|
| General | | | |
| Bandwidth | 18Gbps | | |
| Input Connector | 4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 15m, 1080P ≤ 20m | | |
| Operation Temperature | -10°C — +55°C | | |
| Storage Temperature | -25°C — +70°C | | |
| Relative Humidity | 10%-90% | | |
| Power Supply | Input:100V~240V AC, Output: 5V DC 1A | Input:100V~240V AC, Output: 12v DC 1A | |
| Power Consumption | 1.5W (Max) | 2.5W (Max) | 7W (Max) |
| Replacement Power Supply | PS-05-10-LK | | PS-12-10-LK |
| Dimension (W*H*D) | 96.0mm x 17.6mm x 70.4mm | 142.0mm x 17.6mm x 70.4mm | 260mm x 20mm x 70mm |
| Net Weight | 185g | 260g | 500g |
| Regulatory Compliance | FCC,CE,RoHS | | |
| 5 Year Warranty | Included | | |

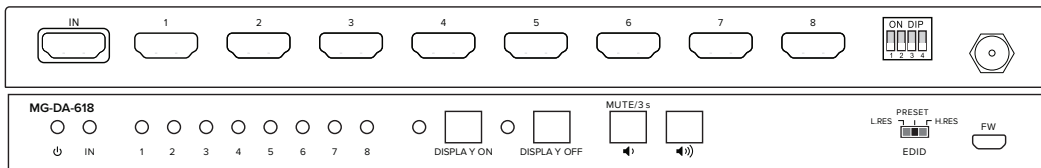
MG-DA-612



MG-DA-614



MG-DA-618



Application example

