

Technical Specifications

TL-DA14-F2

Features at a Glance

- Advanced EDID management
- Automatic downscaling per output
- Supports HDMI 2.0, 4Kx2K@60Hz 4:4:4
- HDCP 2.2 compliant
- 18Gbps video bandwidth



The TL-DA14-F2 is an 18Gbps HDMI splitter with four simultaneous outputs. Compatible with HDMI 2.0a & HDCP 2.2/1.4 sources and devices, the TL-DA14-F2 supports video resolutions up to 8k30 (4:2:0 8bit).

The TL-DA14-F2 will support 4k video with HDR¹, xvYCC, x.v.Color, and Deep Color.

The TL-DA14-F2 can downscale video² on each output individually to match the connected display's highest compatible resolution. This feature is required when mixing 4k and 1080p displays in the same installation. Advanced EDID management puts you in control of what resolution the source will output.

Notes:

1. HDR content can pass through the TL-DA14-F2 but cannot be processed to properly for 1080p displays.
2. Certain video conversions are not supported:
 - a. 4k60 4:2:2 to 1080p
 - b. Frame rate conversion
 - c. 4k60 4:2:2 to 4k60 4:2:0

Specifications

| I/O Connections | |
|--|---|
| HDMI Input | One HDMI type A receptacle |
| HDMI Outputs | Four HDMI type A receptacle |
| DC 5V Power | One micro USB Type B port |
| Supported Video and Audio | |
| Resolutions | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 1080p, 4Kx2K (60Hz 4:2:0 10bit, 60Hz 4:4:4 8bit), 8kx4k (30Hz 4:2:0 8bit) |
| Video Compliance | HDMI 2.0a, HDCP 2.2 |
| Bandwidth | Single-link 600MHz (18 Gbps) |
| Embedded Audio Compatibility | DTS-HD Master Audio, Dolby TrueHD, Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM |
| Maximum Passive HDMI Distance | 10 m (33 ft) |
| Input DDC Signal | 5.0 volts p-p (TTL) |
| Input Video Signal | 0.5 ~ 1.0 volts p-p |
| Chassis and Environmental | |
| Enclosure | Painted steel |
| Dimensions (W x H x D) | 136mm x 62mm x 20 mm (5.3 in x 2.4 in x 0.8 in) |
| Dimensions (W x H x D) (Package) | 264mm x 170mm x 77mm (10.4 in x 6.7 in x 3 in) |
| Weight | 0.23 Kg (8.1 oz) |
| Weight (Shipping) | 0.77 Kg (1.7 lbs) |
| Operating Temperature (Environment) | 0° ~ 40° C (+32° ~ +104° F) |
| Operating Humidity (Environment) | 20% ~ 90% Non-condensing |
| Storage Temperature (Environment) | -20° ~ 60° C (-4° ~ +140° F) |
| Storage Humidity (Environment) | 20% ~ 90% Non-condensing |
| Power, ESD, Regulatory | |
| Maximum Power Consumption | 10W |
| Power Supply | 5V at 2A DC |
| Regulatory | CE, FCC |
| Other | |
| Standard Warranty | 3 Year |
| Indicators | 1 Power, 1 Input status , 4 Output connection status |
| Firmware Update | Via Mini-USB (Front Panel) |
| Included Items | User Manual Card, Power adaptor |

Dimensional Drawings

