

# 1T-DA-672

## HDMI Distribution Amplifier



### Key Features

- HDMI v1.4, HDCP 1.1 and DVI 1.0 Compliant
- Allows distribution of 2 Outputs
- Supports 3D video resolutions (Frame Pack, Side/Side)
- Supports 10/12-bit Color Depth Display
- Supports PC resolutions to WUXGA / 4kx2k@30Hz
- Supports HDTV resolutions to 1080p60
- Supports SDTV resolutions of 480i and 576i
- Supports DVI using optional HDMI to DVI Adaptors
- Signal Equalization feature enables longer cable runs
- Supports Automatic Discovery of Monitor EDID

### 1T-DA-672 HDMI Distribution Amplifier

#### Overview

1T-DA-672 HDMI Distribution Amplifier provides dual, independent outputs from a single HDMI input for distribution to devices capable of receiving and/or displaying such signals. The product is compatible with HDMI v1.4 specifications; a cutting-edge technology that supports Deep Color (10-bit and 12-bit) video in addition to 3D video resolutions (Frame Packing, Side by Side). SDTV resolutions 480i/576i, HDTV resolutions to 1080p and UHD resolutions to 4096x2160@24Hz are also supported along with the HDCP standard. In addition, the 1T-DA-672 HDMI DA exhibits high bandwidth (up to 300MHz - 9Gbps) and provides signal amplification and equalization for high performance processing of audio and video allowing signals to travel great distances without quality loss. DVI 1.0 format is supported (using cable adapters) and the product provides automatic discovery of monitor EDID. A screw on power adapter cable prevents inadvertent disconnection of power and, as a bonus feature; all HDMI outputs can be cascaded.

### Specifications

#### Video Inputs

HDMI 1x via HDMI Connector

#### Video Outputs

HDMI 2x via HDMI Connector

#### General

Video Bandwidth 300MHz/9Gbps  
Color Depth 10/12-bit Color Depth Display  
Maximum PC/DVI Resolutions WUXGA@60Hz  
Maximum HDTV/UHD Formats 1080p60, 2560x1600@60, 3840x2160@30, 4096x2160@24  
Compliance HDMI V1.4, HDCP V1.1, DVI V1.0  
Signal Equalization Internal

#### Maximum Distances

Source to DA 20m (60') for 1080p/8-bit, 15m (45') for 1080p/12-bit  
DA to Display 15m (45') for 1080p/8-bit, 10m (30') for 1080p/12-bit

#### Warranty

Limited Warranty 3 Years Parts and Labor

#### Power Requirement

External Power Supply 5VDC@2.6A

#### Mechanical

Dimensions (H x W x D) 25 x 102 x 145mm (1.0" x 4" x 5.7")  
Weight 0.298Kg (0.66 lbs.)

#### Environmental

Operating Temperature 0° to +40°C (+32° to +104°F)  
Operating Humidity 20% to 90%, Non-condensing  
Storage Temperature 0° to +60°C (+32° to +140°F)  
Storage Humidity 20% to 90%, Non-condensing

#### Regulatory Approvals

HDMI DAs FCC, CE, RoHS  
Power Supply UL, CUL, CE, PSE, GS, RoHS

#### Accessories Included

1x AC Power Adapter US, UK or Euro  
1x Instruction Manual

#### Product Item Number

1T-DA-672 1x2 HDMI DA

### Panel Drawings

