

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

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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	1 Year 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

