DVI Distribution Amplifiers
Models 1T-DA-552, 1T-DA-554, 1T-DA-564

1T-DA-552, 1T-DA-554, 1T-DA-564 DVI-D Distribution Amplifiers provide multiple outputs from a single DVI input for distribution to devices capable of receiving and/or displaying such signals. The 1T-DA-552 provides 2x DVI outputs and the 1T-DA-554 provides 4x DVI outputs. The 1T-DA-564 provides 4x DVI outputs plus 4x Analog Stereo and 4x S/PDIF Coaxial Audio outputs. Each product in this series is compliant with HDMI v1.3 specifications and provides a cutting-age technology that supports Deep Color (10-bit and 12-bit) video plus new, lossless Dolby TrueHD, Dolby Digital + and DTS-HD Master Audio digital audio. In addition, all devices exhibit high bandwidth (up to 225MHz - 2.25Gbps) and provide signal amplification and equalization for high performance processing of audio and video allowing the signals to travel great distances without quality loss.

A front panel switch allows the EDID reference to be selected from either a connected display on a priority basis or from an internal resolution look-up table. All DAs can also be cascaded for expanded functionality and all DVI Distribution Amplifiers can function as HDMI Distribution Amplifiers using cable adapters. An optional Rack Mounting kit provides for mounting either one or two DVI DAs in a 19” Rack.

Specifications

**Video Inputs**
(All Models) 1x DVI-D via DVI-I Connector

**Video Output**
1T-DA-552 2x DVI-D via DVI-I Connectors
1T-DA-554 & 564 4x DVI-D via DVI-I Connectors

**Audio Input/Outputs**
(1T-DA-564 Only)
Format Analog Stereo and S/PDIF
Analog Stereo In 1x via Stereo 3.5mm Mini Stereo
Analog Stereo Out 4x via Stereo 3.5mm Mini Stereo
S/PDIF In 1x Via RCA Coaxial
S/PDIF Out 4x Via RCA Coaxial
Audio Bandwidth 20Hz to 20KHz
Audio Impedance 20KΩ Stereo, 75Ω S/PDIF
Audio Levels Unity, Nominal, S/PDIF .5-1V p-p

**General**
Freq. Bandwidth 2.25Gbps (HDMI Single Link)
Color Depth 10/12 bit Color Depth Display
PC/DVI resolutions Up to 1920x1200
HDTV Formats 480p, 576p, 720p, 1080i, 1080p
SDTV Formats 480i, 576i
Compliance DVI 1.0, HDMI V1.3, HDCP V1.1
Signal Equalization Internal

**Maximum Distances**
Source to DA 20 meters (60’) for 1080p/8-bit
DA to Display 15 meters (45’) for 1080p/12-bit
10 meters (30’) for 1080p/12-bit

**EDID Processing**
Discovery Method Automatic or Internal Reference

**Warranty**
Limited Warranty 3 Years Parts and Labor

**Mechanical**
Size (H-W-D) 41.5x218x147mm (1.6x8.6x5.8”)
Weight (Net) 0.85kg (1.88lbs)

**Environmental**
Operating Temperature 0° to +50°C (+32° to +122°F)
Operating Humidity 10% to 90%, Non-condensing
Storage Temp. 0° to +50°C (+32° to +122°F)
Storage Humidity 10% to 90%, Non-condensing

**Power Requirement**
Ext. Power Supply 5VDC@2A

**Regulatory Approvals**
DVI 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

**Optional Accessories**
RM-220 Single/Dual Rackmount Kit

**Product Item Numbers**
1T-DA-552 1x2 DVI DA
1T-DA-554 1x4 DVI DA
1T-DA-564 1x4 DVI DA with Audio

Key Features of the 1T-DA-500 Series
- Multiple DVI Outputs from a single source
- DVI-D 1.0, HDMI 1.3 and HDCP 1.1 Compliant
- Distribution of 2 or 4 Outputs. (1T-DA-552/554)
- 1x4 Stereo & 1x4 S/PDIF Audio (1T-DA-564)
- Dolby Digital+, Dolby® Digital TrueHD & DTS-HD
- 10/12 bit Color Depth Display
- PC & HDTV resolutions – Up to 1920x1200, 1080p
- Supports HDMI with Optional DVI to HDMI Adaptors
- Signal Equalization feature for longer cable runs
- Supports Automatic Discovery of Monitor EDID
- Locking DC Connectors for security
- Optional Rackmount Kits

Video Inputs
(All Models) 1x DVI-D via DVI-I Connector

Video Output
1T-DA-552 2x DVI-D via DVI-I Connectors
1T-DA-554 & 564 4x DVI-D via DVI-I Connectors

Audio Input/Outputs (1T-DA-564 Only)
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Analog Stereo In 1x via Stereo 3.5mm Mini Stereo
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Panel Drawings

1T-DA-552

1T-DA-554

1T-DA-564