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 and12-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.
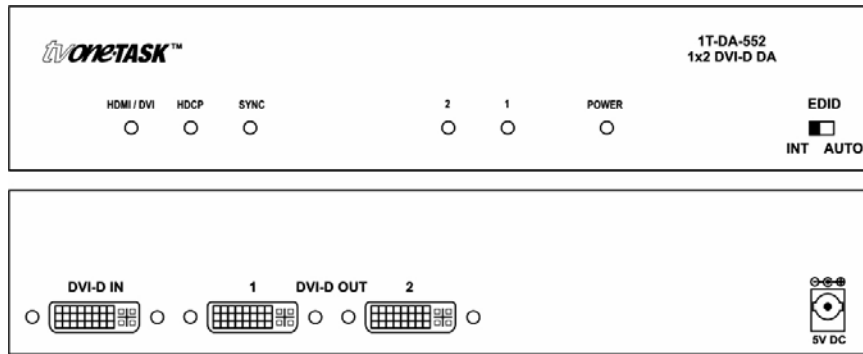
Key Features of the 1T-DA-500 Series
- Multiple DVI Outputs from a single source
- DVI-D 1.0, HDMI 1.3 and HDCP 1.1 Compliant
- Distribution of 2 or 4 Outputs. (1T-DA-552/554)
- 1x4 Stereo & 1x4 S/PDIF Audio (1T-DA-564)
- Dolby Digital+, Dolby® Digital TrueHD & DTS-HD
- 10/12 bit Color Depth Display
- 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
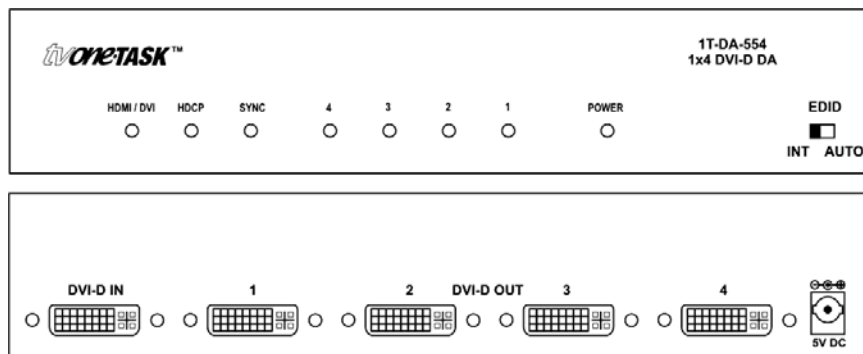- Optional Rackmount Kits

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 20 KHz
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
	15 meters (45') for 1080p/12-bit
DA to Display	15 meters (45') for 1080p/8-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
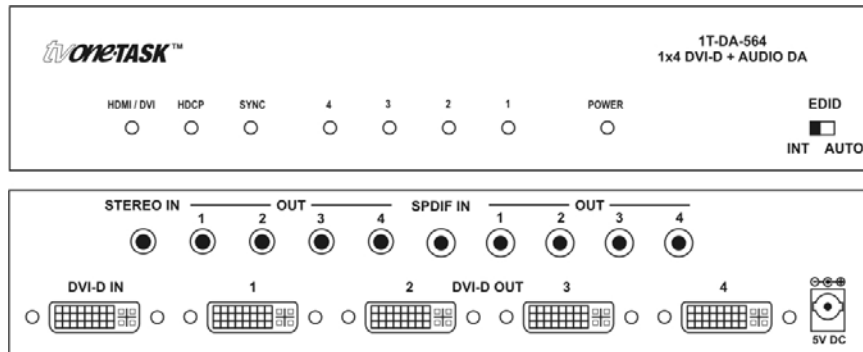|	
1T-DA-552	1x2 DVI DA
1T-DA-554	1x4 DVI DA
1T-DA-564	1x4 DVI DA with Audio

Panel Drawings

1T-DA-552

1T-DA-554

1T-DA-564