



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.



Key Features of the 1T-DA-500 Series

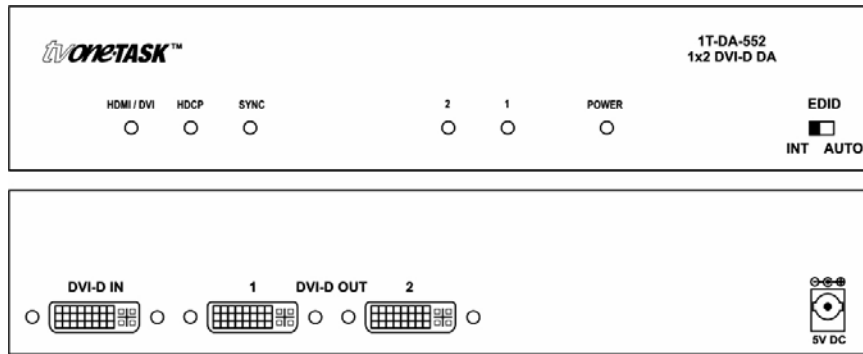
- Multiple DVI Outputs from a single source
- DVI-D 1.0, HDMI 1.3 and HDCP 1.1 Compliant
- Distribution of 2 or 4 Outputs. (1T-DA-552/554)
- 1x4 Stereo & 1x4 S/PDIF Audio (1T-DA-564)
- Dolby Digital+, Dolby® Digital TrueHD & DTS-HD
- 10/12 bit Color Depth Display
- PC & HDTV resolutions – Up to 1920x1200, 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

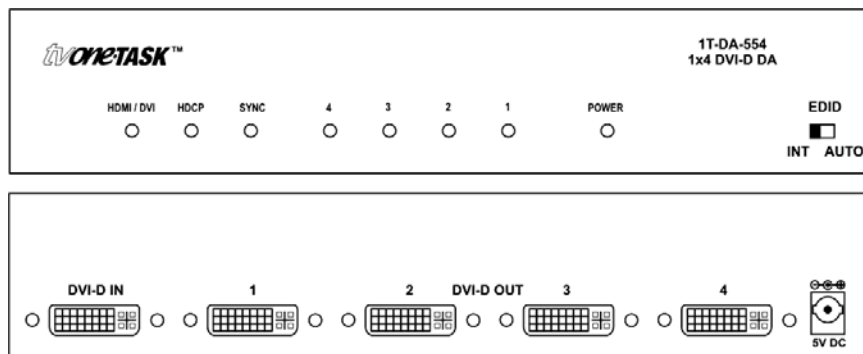
Video Inputs (All Models)	1x DVI-D via DVI-I Connector
Video Output	
1T-DA-552	2x DVI-D via DVI-I Connectors
1T-DA-554 & 564	4x DVI-D via DVI-I Connectors
Audio Input/Outputs (1T-DA-564 Only)	
Format	Analog Stereo and S/PDIF
Analog Stereo In	1x via Stereo 3.5mm Mini Stereo
Analog Stereo Out	4x via Stereo 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

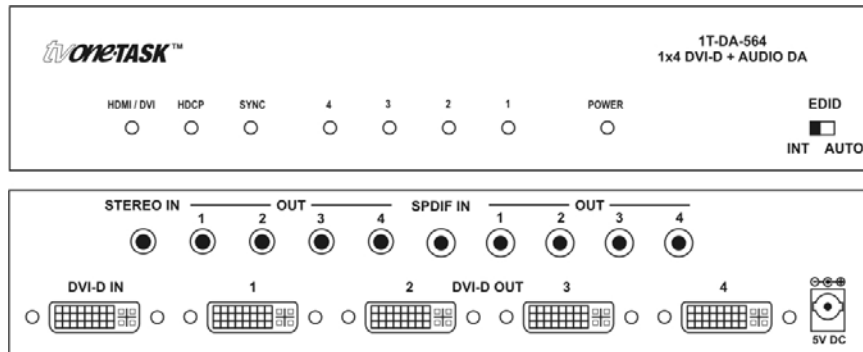
Panel Drawings



1T-DA-552



1T-DA-554



1T-DA-564