



HDMI Distribution Amplifiers

Models 1T-DA-654, 1T-DA-658, 1T-DA-664

1T-DA-654, 1T-DA-664, 1T-DA-658 HDMI Distribution Amplifiers provide multiple outputs from a single HDMI input for distribution to devices capable of receiving and/or displaying such signals. The 1T-DA-654 provides 4 HDMI compliant outputs, the 1T-DA-658 provides 8 HDMI compliant outputs and the 1T-DA-664 provides 4 HDMI compliant outputs plus separate audio distribution via integral 1x4 analog stereo and 1x4 S/PDIF coaxial audio. Each product in this series is compatible with HDMI v1.3 specifications; a cutting-age technology that supports Deep Color (10-bit and 12-bit) video plus new, lossless Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio digital audio. In addition, all devices exhibit high bandwidth (up to 225MHz - 2.25Gbps) and they provide signal amplification and equalization for high performance processing of audio and video allowing the signals to travel great distances without quality loss.

A rear 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 HDMI Distribution Amplifiers can function as DVI Distribution Amplifiers using cable adapters. An optional Rack Mounting kit provides for mounting either one or two of the 1T-DA-654 or 1T-DA-664 HDMI DAs in a 19" Rack. Rack Ears are included with the 1T-DA-658 for mounting a single unit in a standard 19" rack.



Key Features of the 1T-DA-600 HDMI Series

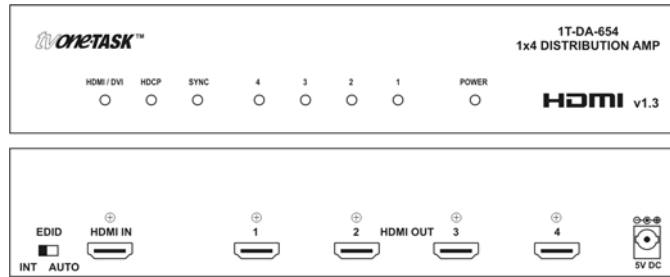
- Multiple HDMI Outputs from a single source
- HDMI 1.3, HDCP 1.1, DVI 1.0 Compliant
- Distribution of 4 Outputs. (1T-DA-654 & 1T-DA-664)
- Distribution of 8 Outputs (1T-DA-658)
- Separate 1x4 Stereo & 1x4 S/PDIF (1T-DA-664)
- Dolby Digital +, Dolby® Digital TrueHD & DTS-HD
- 10/12 bit Color Depth Display
- PC & HDTV resolutions – Up to 1920x1200, 1080p
- Supports DVI with Optional HDMI to DVI Adaptors
- Signal Equalization feature for longer cable runs
- Supports Automatic Discovery of Monitor EDID
- Locking DC Connectors for security
- Optional Rackmount Kits 1T-DA-654, 1T-DA-664
- Rack Ears included with 1T-DA-658

Specifications

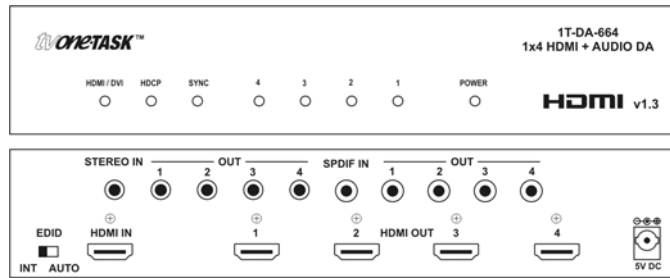
Video Inputs	
HDMI (All Models)	1x via HDMI Connector
Video Output	
HDMI-1T-DA-654 & 664	4x via HDMI Connector
1T-DA-658	8x via HDMI Connector
Separate Audio (1T-DA-664 Only)	
Format	Analog Stereo and S/PDIF
Analog Stereo In	1x via Stereo 3.5mm Mini Stereo
Analog Stereo Out	4x via Stereo 3.5mm Mini Stereo
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	HDMI V1.3, HDCP V1.1, DVI 1.0
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	Automatic or Internal Reference

Warranty	
Limited Warranty	3 Years Parts and Labor
Mechanical	
1T-DA-654/664 (H-W-D)	41.5x218x147mm (1.6x8.6x5.8")
1T-DA-658 (H-W-D)	44x436x160mm (1.75"19.0"x6.3")
1T-DA-654/664 Weight	0.85 kg (1.88lbs)
1T-DA-658 Weight	2kg (4.4 lbs)
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 for 1T-DA-654/664 5VDC@5A for 1T-DA-658
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 Set Rackmount Ears	1T-DA-658 only
1x Instruction Manual	
Locking Cable Kit	Hex adapters to accommodate locking HDMI connectors
Optional Rackmount Kits	
RM-220	For 1T-DA-654/664 (Single/Dual)
Product Item Numbers	
1T-DA-652	1x4 HDMI DA
1T-DA-664	1x4 HDMI DA w/Separate Audio
1T-DA-658	1x8 HDMI DA

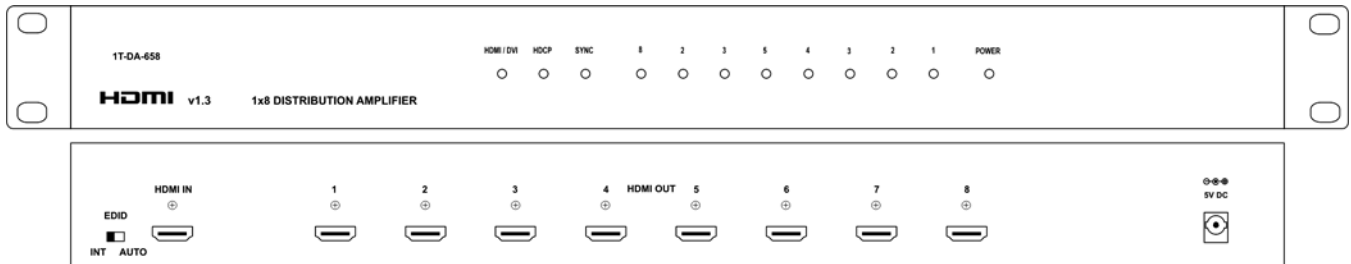
Panel Drawings



1T-DA-654



1T-DA-664



1T-DA-658