

1T-DA-600 Series

HDMI v1.3 Distribution Amplifiers

Key Features 1T-DA-600 Series

- Multiple HDMI Outputs from a single source
- HDMI 1.3, HDCP 1.1, DVI 1.0 Compliant
- Distribution of 2 Outputs. (1T-DA-652)
- 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 - Opt. HDMI to DVI Adaptors
- Signal Equalization for longer cable runs
- Supports Automatic Discovery of Monitor EDID
- 3D Compatible
- Locking DC Connectors for security
- Opt. Rackmount Kits (except 1T-DA-652)



1T-DA-652 HDMI Distribution Amplifier provides 2 outputs from a single HDMI input for distribution to devices capable of receiving and/or displaying HDMI signals. The 1T-DA-652 is compatible with HDMI v1.3 specifications and provides a cutting-edge 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 2.25GHz - 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. Outputs can be cascaded for greater versatility. The 1T-DA-652 can support DVI signals when used in conjunction with DVI to HDMI cable adapters. Using the adapters, PC and HDTV resolutions up to 1920x1200 and 480i through 1080p can be accommodated. Installation is fast and simple: connect input and output cables plus power and the unit is fully functional without any further action required.

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-edge 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 2.25GHz - 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.

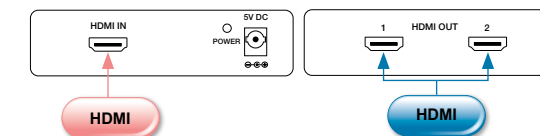
A rear panel switch allows the EDID reference to be selected from either a connected display on a priority basis or from an internal resolution look-up table. All DAs can also be cascaded for expanded functionality and all HDMI Distribution Amplifiers can function as DVI Distribution Amplifiers using 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. Optional Rack Ears are available for mounting a single 1T-DA-658 in a standard 19" rack.

1T-DA-600 Series Specifications

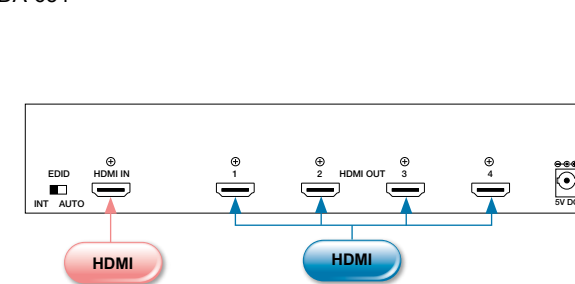
Video Inputs	HDMI (All Models)	1x via HDMI Connector
Video Output	1T-DA-652	2x via HDMI Connector
	1T-DA-654 & 664	4x via HDMI Connector
	1T-DA-658	8x via HDMI Connector
Separate Audio	(1T-DA-664 Only)	
Format		Analog Stereo and S/PDIF
Analog Stereo In		1x via Stereo 3.5mm Mini Stereo
Analog Stereo Out		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
HDMI Transport		
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	(1T-DA-654, 1T-DA-664, 1T-DA-658)	
Discovery		Automatic or Internal Reference
Signal Processing		
Signal Equalization		Low Noise Amp. for long cable runs
Warranty	Limited Warranty	3 Years Parts and Labor
Mechanical		
1T-DA-652 (H-W-D)		25x100x147mm (0.98"x3.9"x5.8")
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-652 Weight		300g (0.7lbs)
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-652/654/664 5VDC@5A for 1T-DA-658
Regulatory Approvals		
DAs		FCC, CE, RoHS
Power Supply		UL, CUL, CE, PSE, GS, RoHS
Accessories Included		
1x AC Power Adapter		US, UK or Euro Type
1x Instruction Manual		
Optional Rackmount Kits		
RM-220		For 1T-DA-654/664 (Single/Dual)
RM-380S		For 1T-DA-658 (Single)
Product Item Numbers		
1T-DA-652		1x2 HDMI DA
1T-DA-654		1x4 HDMI DA
1T-DA-664		1x4 HDMI DA w/Separate Audio
1T-DA-658		1x8 HDMI DA



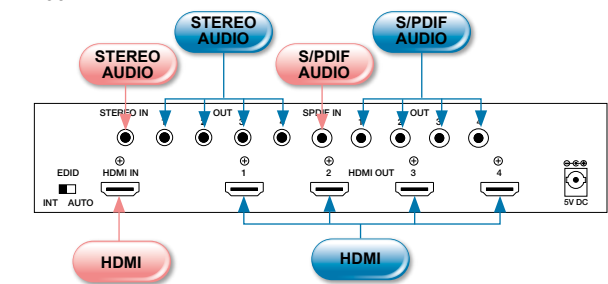
1T-DA-652



1T-DA-654



1T-DA-664



1T-DA-658

