OVERVIEW

The 1T-DA-68x Distribution Amplifier series provides a high-performance solution for distributing HDMI signals with video output up to 4K2K@60Hz (YUV444) resolutions and HDR (High Dynamic Range Imaging) support, which gives the most life like video experience. Support is also offered for up to 32 audio channels with sampling rates up to 192kHz and passthrough of 7.1 channels of digital audio including high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and Dolby Atmos. A screw on power adapter cable prevents inadvertent disconnection of power and Integrated flanges allow for easy mounting to a wall or under a table.

KEY FEATURES

- HDMI 2.0a compliant
- 4K2K@60 4:4:4
- HDR
- HDCP 2.2 compliant
- 3D pass through
- Supports 7.1 digital audio, Dolby TrueHD, Digital Plus, Atmos and DTS
- EDID management
- Flat wall mounting

1T-DA-682	1x2 HDMI 2.0 DA, Max Res 4Kx2K 60 Hz, HDR
1T-DA-684	1x4 HDMI 2.0 DA, Max Res 4Kx2K 60 Hz, HDR
1T-DA-688	1x8 HDMI 2.0 DA, Max Res 4Kx2K 60 Hz, HDR
PS-05-30-LK	Replacement Power supply

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SPECIFICATIONS

HDCP compliance	HDCP 2.2
Video bandwidth	600 MHz / 18 Gbps
Video support	VGA to WUXGA (RB)
	408i to 1080p@24/50/60
	4K@24/25/30
	4K@50/60 (YUV444)
Audio	Embedded
Input	1x HDMI 2.0a
	1x USB (FW only)
Output	2 x HDMI (1T-DA-682)
	4 x HDMI (1T-DA-684)
	8 x HDMI (1T-DA-688)
Cable Distances	15m@1080p/8-bit
	10m@1080p/12-bit
	5m@4K2K/30
	3m@4K2K/60_YUV444
Warranty	2 Years
MTBF (hrs) 1T-DA-682	1,157,069
1T-DA-684	1,106,351
1T-DA-688	411,643

Dimensions (H x W x D) 1T-DA-682	0.98" x 5.04" x 4.25"
	(25 x 128 x 108mm)
1T-DA-684	0.98" x 9.13" x 4.25"
	(25 x 232 x 108mm)
1T-DA-688	0.98" x 9.45" x 4.05"
	(25 x 240 x 103mm)
Weight (Net) 1T-DA-682	0.79 lbs (358g)
1T-DA-684	1.36 lbs (616g)
1T-DA-688	1.52 lbs (690g)
Power supply 1T-DA-682/684	5V 2.6A DC
1T-DA-688	5V 3A DC
Power consumption 1T-DA-682	4.56 Watts (max)
1T-DA-684	5.4 Watts (max)
1T-DA-688	9.5 Watts (max)
Replacement Power Supply	PS-05-30-LK
Operating Temp	0º to 40ºC (32º to 104ºF)
Relative Humidity	20% to 90% Non-condensing
Regulatory compliance	FCC, CE, RoHS, UL

Specifications subject to change without notice

1T-DA-688
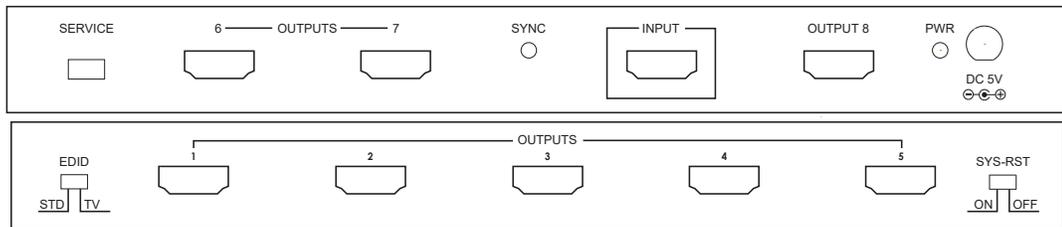
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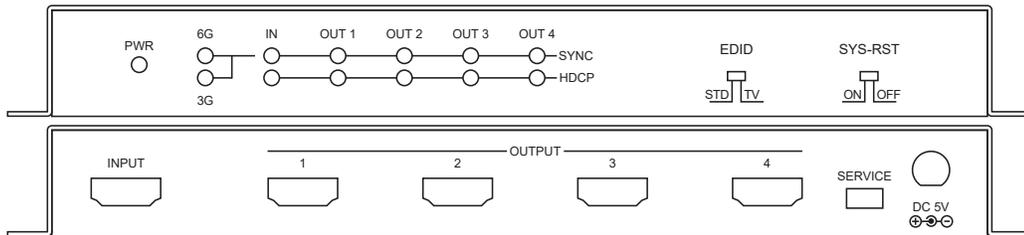
1T-DA-682

Application example

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