



3G/HD/SD-SDI Distribution Amplifier

Model 1T-DA-726

1T-DA-726 3G/HD/SD-SDI Distribution Amplifier

provides 6 outputs from a single SDI input for distribution to devices capable of receiving and/or displaying such signals. The 1T-DA-726 3G/HD/SD-SDI Distribution Amplifier provides third generation HD/SD signal distribution with triple-rate processing and six separately buffered and reclocked outputs. Data Rates of 270, 1483, 1485 and 2970 Mbps support DVB-ASI standards, as well as SMPTE 259M, 292M, 424M and 425M protocols. Automatic input cable equalization up to 300m (1000ft)@SD and 150m (500ft)@HD/3G is utilized. All ancillary data is passed through to the outputs, and since the SDI signals are reclocked, multiple 1T-DA-3G/HD/SD-SDI Distribution Amplifiers can be cascaded for longer transmission runs. Front panel LEDs indicate that DC power is present and signal lock/reclocking is in progress. Finally, the TV One exclusive locking power connector prevents inadvertent loss of DC power to the device.



Key Features of the 1T-DA-726

- 3G/HD/SD Triple Rate Signal Processing
- Six Buffered and Reclocked Outputs
- Data Rates of 270 / 1483 / 1485 / 2970 Mbps
- Protocols DVB-ASI, SMPTE 259M, 292M, 424M, 425M
- Automatic Cable Equalization and Signal Retiming
- All Ancillary Data is passed to the outputs
- DAs may be Cascaded for Longer Cable Runs
- Front Panel Input Signal Lock and Rate LED
- Locking DC Power Connector

Specifications

Video Inputs	3G/HD/SD-SDI	1x via BNC Connector
Video Output	3G/HD/SD-SDI	6x via BNC Connector
SDI Transport	SDI Standards	3G/HD/SD-SDI
	Data Rates	270 / 1483 / 1485 / 2970 Mbps
	Video Bandwidths	[2.97Gbps & 2.97/1.001Gbps]
	Supported Protocols	DVB-ASI@270Mbps, SMPTE 259M, 292M, 424M, 425M
	Signal Reclocking	All Outputs
	Ancillary Data	Pass-thru, All Outputs
	I/O Impedance	75Ω
Eye Pattern (HD)	Amplitude	800mv (<10%)
	Rise Overshoot	<2% (<10%)
	Fall Overshoot	<2% (<10%)
	Long Time Jitter	0.195usec (<1.0usec)
	Timing Jitter	0.8usec (<1.0usec)
	Alignment Jitter	0.13usec (<0.2usec)
Max Cable Distances	Reference: Belden 1694A	3G:150m(500'), HD:150m(500'), SD:300m(1000')

Warranty

Limited Warranty 3 Years Parts and Labor

Mechanical

Size (H-W-D) 30x200x90mm(1.18"x7.88"x3.54")

Weight (Net) 530g (1.17lbs)

Environmental

Operating Temperature 0° to +40°C (+32° to +104°F)

Operating Humidity 20% to 90%, Non-condensing

Storage Temperature -20° to +60°C (-4° to +140°F)

Storage Humidity 20% to 90%, Non-condensing

Power Requirement

External Power Supply 5VDC@6A

Regulatory Approvals

SDI DA FCC, CE, RoHS

Power Supply UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x AC Power Adapter US, UK or Euro

1x Instruction Manual

Product Item Number

1T-DA-726 1x6 3G/HD/SD-SDI DA

Panel Drawings

