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.

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	[2.97Gpbs & 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')

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

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