

Transflow II



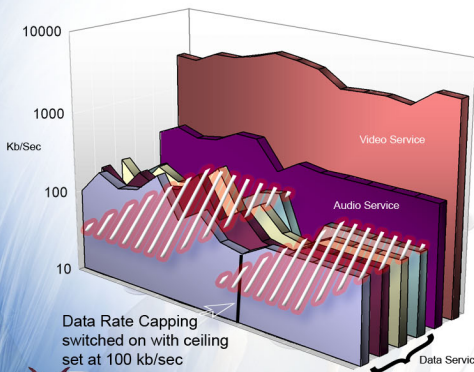
ASI Transport Stream Management Tool

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- ✓ Reduces bandwidth and headroom requirements in Mpeg 2 ASI transport streams
- ✓ Acts as a Bandwidth Pass Filter for incoming ASI streams.
- ✓ 50Mb ASI stream size or optional 200Mb
- ✓ Auto compensation for PCR, PTS and DTS
- ✓ Relay by-pass for input/outputs
- ✓ Compatible with Non DVB compliant signals, HD, private data CA and a wide range of encoders and encoding formats
- ✓ Data Rate Caps and Flow Controls 32 Buffers 50 PIDs per Buffer 1600 PIDs total
- ✓ Buffer Percentage Full Graphical Display
- ✓ Acts on transport stream layer alone
- ✓ 10mS Monitoring Graphical Display
- ✓ 3U Rack Frame Option with 12 cards
- ✓ Dual Mode of Operation, selected PIDs plucked out, processed and presented or processed and reinserted

Application - Bandwidth and Headroom Requirement Reduction

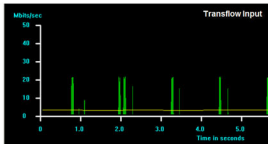


As can be seen from the diagram headroom can be made available for additional services or improved video quality in existing channels using advanced bandwidth management techniques.

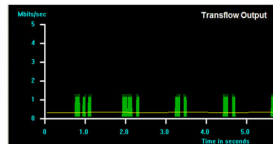
The higher of the two limit indicators shows the maximum bandwidth requirement for each of the data services, (around 300kb/Sec on this log scale) prior to the Data Rate Capping being engaged. Once the Data Rate Capping and Flow control have been activated the Transflow ensures that the bandwidth is used to its full potential using buffering and distribution techniques. The maximum, (data burst) bandwidth requirement is reduced freeing the bandwidth for other services.

Major Benefits

- Eliminates Freeze Frames
- Eliminates Jitters
- Mpeg 2 PES Conditioning, Eliminating Artefacts
- Acts as Bandwidth Pass Filter for Incoming ASI Streams
- Manages Overflow of Data
- Protects Multiplexes and other equipments from Data Bursts
- Auto compensation for PCR, PTS and DTS changes



Bursty ASI Stream to the I/P of Transflow



Conditioned ASI Stream from the O/P of Transflow

Specifications Transflow II



Input Transport Stream

ASI Signal	188-204 byte auto select, MPEG 2 ASI Stream conforming to ISO/IEC 13818-1:1996 (E)
Connector	BNC
Max. Data Rate	50 Mb/Sec standard, upgrade to 200 Mb/sec
Number of PIDs Processed	32 Buffers 50 PIDs per Buffer 1600 PIDs total

Output

Transflow Output	2 Outputs, 1st output protected by relay-bypass
Connector	BNC
Stream Output Data Rate	10 Kb/sec to 50Mb/sec, (200Mb/sec
Granularity	
Stream Output Data Rate	10 Kb/sec
Individual PID	10 Kb/sec
PCR Correction Accuracy	<±150nS

Physical	1U (44mm)
Width	19" Rack mount (484mm)
Depth	380 mm, (17" approx)
Weight	3.2KG / 7lbs (approx)
Power Supply	115 to 260V AC
Ethernet connection	RJ45
Operating Temp	1 °C to 40 °C, (34 °F to 104 °F)