Description
The PDATSC-IP series ATSC 8VSB to IP streamer is an advanced ATSC receiver and re-multiplexer used in digital broadcasting headend systems. The unit is ideal for the for injection of local off air ATSC programming into local digital cable or IP headend systems, like Pico Digital’s market leading CONDOR system. The PDATSC-IP provides six ATSC tuners and two ASI inputs. Each tuner or ASI input is de-multiplexed and available to either of the two output multiplexes. Any input can be selected to be included in any output multiplex. The two output multiplexes are available on both ASI (two each) or IP.

Features
- Integrated demodulation and multiplexing functions
- Two ASI inputs available for re-multiplexing
- Six ATSC tuner inputs for re-multiplexing
- Accurate PCR re-adjustment
- Supports PID re-mapping and PID filtering
- Two independent output TS multiplexes
- Supports TSoIP output as a mirror of the ASI outputs
- Supports PSI/SI (PAT and PMT tables) and PSIP (STT,MGT,VCT tables)
- Large multiplex buffer eliminates multiplexer overflows
- Full front panel control
- SNMP control supported
- Fully compliant with ISO13818 and ATSC A/53 standards

System Diagram
## Specification

### Input Interface

- 2 ASI and 6 tuners (ATSC 8VSB)

### Re-Multiplex

- 2 x MPEG TS re-multiplex
- PID re-mapping (auto/manual optional)
- PCR re-stamping
- Stream grooming
- Null packet removal
- PSI/SI (PAT, PMT) tables auto generation and edition
- PSI/SI (PAT, PMT) and PSIP (STT, MGT, VCT) tables auto generation and edition

### Input

- Packet Format
  - 204/188 self-adaption

### Output Port

- ASI
  - 2 x independent channels of ASI output (each channel has two ports)
  - (up to 210 Mbps)
- Ethernet
  - RJ-45, GbE, 2 x IP UDP streams (unicast or multicast)

### PID

- Output Range
  - 0 x 0000 to 0 x 1FFF
- PID Transparent
  - Any PID transparent and mapping achievable
- Output PID per Input
  - 64

### Management Port

- Ethernet
  - RJ-45, 10/100, Full Duplex, AutoNeg

### General

- Dimensions
  - 19” (L) x 16” (D) x 1.75” (H)
- Weight
  - 13 lbs.
- Operating Temperature
  - 0 °C to 45 °C
- Power Supply
  - AC 110 V ± 10 %, 50 Hz / 60 Hz
  - AC 220 V ± 10 %, 50 Hz / 60 Hz
- Consumption
  - 18 Watts

## Ordering Information

**PDATSC-IP**  ATSC to IP Streamer