

# PDATSC-IP

## ATSC to IP Streamer

### Description

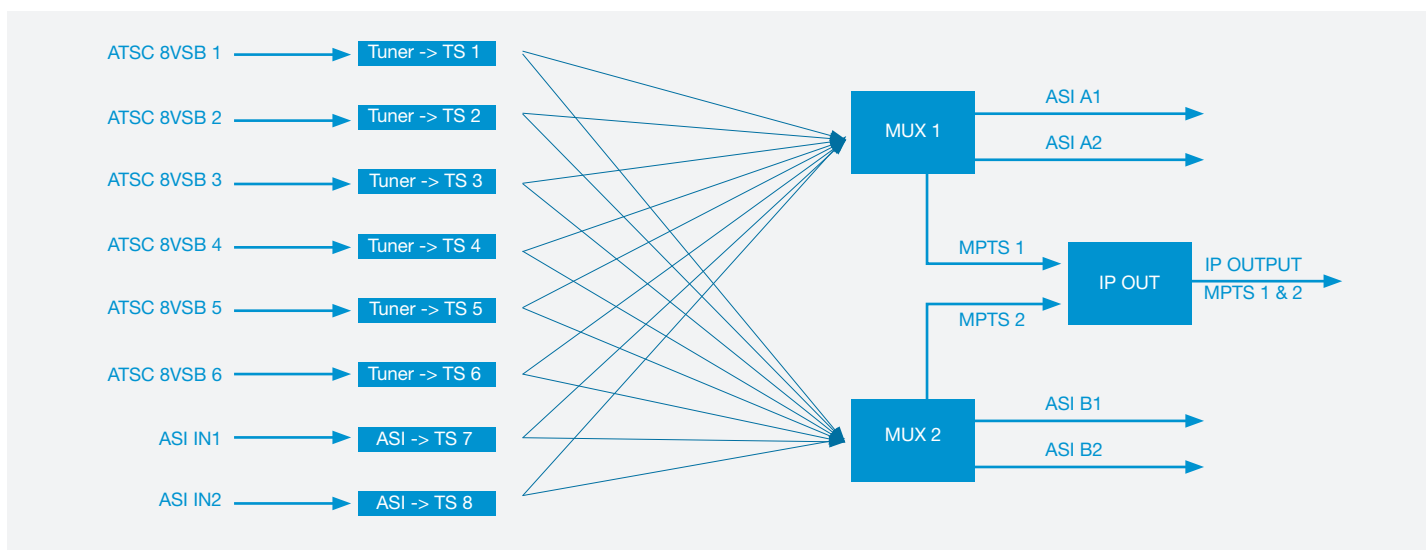
The PDATSC-IP series ATSC 8VSB to IP streamer is an advanced ATSC receiver and re-multiplexer used in digital broadcasting headend systems. The unit is ideal for the for injection of local off air ATSC programming into local digital cable or IP headend systems, like Pico Digital's market leading CONDOR 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 TSolP 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  $\pm$  10 %, 50 Hz / 60 Hz  
AC 220 V  $\pm$  10 %, 50 Hz / 60 Hz

Consumption 18 Watts

## Ordering Information

**PDATSC-IP** ATSC to IP Streamer