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PICO DIGITAL™

PDMUX

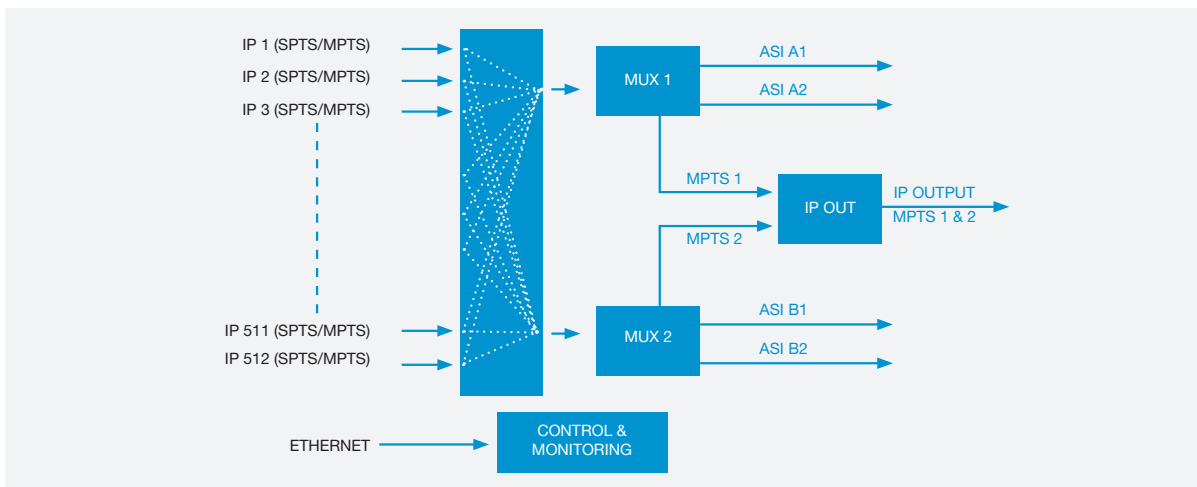## 2 Channel Mux IP Streamer

Description

The PDMUX multiplexer is a professional TS processor used in digital TV broadcasting headend systems like CONDOR. It receives up to 512 IP (SPTS/MPTS) channels and multiplexes the input programs into two TS stream outputs. For easy management, the PDMUX can be controlled and upgraded via a Web server in addition to the front panel keyboard. Its high integration and cost effective design have made it widely used in CATV broadcasting systems.

Features

- 512 IP (SPTS/MPTS) inputs over UDP
- Two independent groups of ASI outputs (each group has two ports)
- Two IP outputs over UDP
- PCR re-stamping
- Supports PID passthrough, re-mapping, and multiplexes up to 2048 PIDs per out channel
- Supports PSI/SI re-building and editing
- Greater than two Mbyte input buffer
- LCD/keyboard and web based management
- Fully compliant with ISO13818 and EN300 468 standards

System Diagram

PDMUX
2 Channel Mux IP Streamer

Specification

Input	
Ethernet	512 x MPTS/SPTS, unicast/multicast, UDP protocol IGMP V2/V3

Re-Multiplex	
	PID re-mapping (auto or manually available)
	PCR accurate adjusting
	Automatic generating PSI/SI table
	PID passthrough
	Support multiplex maximum of 2018 PIDs for each output channel Stream grooming Null packet removal

Output Port	
ASI	2 x independent channels of ASI output (each channel has two ports) (up to 213 Mbps)
Ethernet	RJ-45, GbE, 2 x IP UDP streams (unicast or multicast)

Management Port	
Ethernet	RJ-45, GbE, Full Duplex, AutoNeg

General	
Dimensions	19" (L) x 16" (D) x 1.75" (H)
Weight	4.4 lbs
Operating Temperature	0 °C to 45 °C
Power Supply	110 VAC ± 10%, 50 Hz / 60 Hz 220 VAC ± 10%, 50 Hz / 60 Hz
Consumption	< 25 Watts

Ordering Information

PDMUX   2 Channel Mux IP Streamer

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