

## **EK3102 Multiplexer** ( 2 Separate Outputs)

### **Outline:**

This multiplexer is an embedding digital image communication product designed. It is also an advanced digital broadcasting TV system TS stream re-multiplexer based on PID packet exchanging technology. In addition, it is able to multiplex multiple input digital TS stream signals, analyzing input MPTS, insert EPG(Electronic Program Guide) 、CA(Conditional Access)into output TS stream, and data broadcasting. Multiplexing any single TS stream, the output are multiple program TS stream (MPTS) ; It can automatically generate SI/PSI information, having service, PID filtering, and re-multiplexing function. It can receive 8 routes ASI interface TS stream, and, according input passage, it also can real time insert SI(Service Information) Table, which is generated from outer SI server, into output code stream in order to realize EPG and data broadcasting value-add service. This multiplexer adopts minimum dimension, minimum cost design plan, providing TS stream re-multiplexing and processing, and other powerful functions for digital TV program transportation mission. This equipment also complies MPEG-2 transportation layer, and it is applicable in the field, such as TV station and digital image monitoring.





## Feature:

- ❖ Fully comply ISO13818;
- ❖ Support MPEG-2 TS re-multiplexing;
- ❖ Multiplexing SPTS and MPTS code stream possible;
- ❖ SDT table reflection
- ❖ Able to connect independent scrambler for scrambling to specified program or service
- ❖ Generating SPI/SI information
- ❖ Support PCR adjusting and PID re-reflection
- ❖ Able to extract PSI/SI information from any route of SPTS/MTPS inputs
- ❖ Able to interpolate data, and re-multiplex and transport any kind of data
- ❖ Support statistic multiplex
- ❖ Support the cascading connection of several equipments.
- ❖ Central net administration, remote updating and maintenance
- ❖ LCD display, flexible and user-friendly in operation
- ❖ High reliability design, stable in running
- ❖ Alarm display
- ❖ Support network upgrade
- ❖ Two group (four routes) separate output channel, support two separate output.
- ❖ LCD display, flexible in operation;
- ❖ High reliable design, stable in running.

**Specification:**

Input Interface	ASI	8 Routes( Maximum 270Mbps/Route)
Re-multiplexing		MPEG-2 TS stream re-multiplexing
		PID Remapping
		PCR Correction
		Automatically Generating PSI/SI Table
Output Interface	ASI	2x2 Routes (2group different outputs)
Interface	Ethernet port	10/100M Ethernet port
Miscellaneous	Dimension	44mm-482mm-360mm
	Environment	0~45°C( Operation) ; -20~80°C( Storage)

