

## Scrambler S100



S100 Scrambler is a 1U highly integrated product, which is mainly used for digital TV program scrambling. It supports DVB simulcrypt scrambling standard. Embedded the control words generator, it can scramble the MPEG transport stream and produce scrambling control words, use fixed or variable control words to scramble, support service level and component level scrambling. External network management software can be installed on the computer having the browser for remote management.

Baseband signal and additional data multiplexing comply with ISO/IEC-13818 standard. The scrambler output interfaces are DVB standard ASI interfaces. The part linked with CA and network management supports TCP / IP protocol, using RJ45 Ethernet interface.

### Main features

- Supporting DVB hardware scrambling
- Supporting DVB common scrambling algorithm
- Supporting DVB Simulcrypt interface, supporting 4 simulcrypt CA at the same time
- Supporting BISS-1, BISS-E
- PSI/SI information analysis and edit function
- Supporting input bit rate monitor and error monitor, input stream error warning
- Real-time input status monitoring
- Supplying standard CA interface
- Supporting EMM and ECM insertion
- Supporting IP data input interface
- Low delay, the delay less than 100ms for MPEG-2 program
- Embedded design
- PCR correction
- Monitor: Ethernet (TCP/IP) SNMP
- Software update: Flash hardware RS-232 Ethernet (TCP/IP)

### General features

- 1U, 4kg
- 484mm(W) 44mm(H) 390mm(D)
- AC100V-240V, 50Hz/60Hz, 20W

## S100 Interfaces List

<b>Input</b>	<b>Interface</b>	1 ASI, loop out (BNC,75Ω)
	<b>Bit rate</b>	155Mbps in maximum
	<b>Packet length(byte)</b>	188 or 204
<b>Output</b>	<b>Interface</b>	2 ASI (BNC,75Ω)
	<b>Bit rate</b>	58Mbps in maximum
	<b>Packet length(byte)</b>	188 or 204
<b>IP</b>	<b>Interface</b>	Ethernet (RJ45)
	<b>Bit rate</b>	13Mbps in maximum