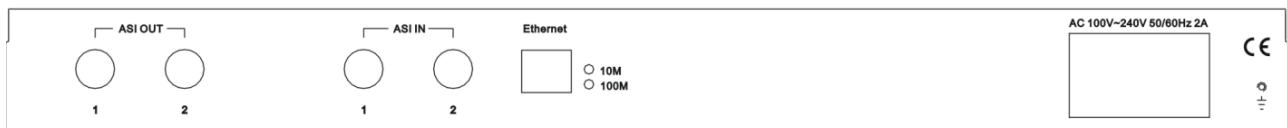# Scrambler Series

NDS3701 Stand Alone Scrambler

Outline:

The NDS3701 Stand Alone Scrambler can simulcrypt scramble the input stream, and the embedded control word generator can transmit the constant or variable control word to scrambler the input transmitting stream. The internal simulcrypt synchronous controller can transmit the control word and the access conditions to exchange the information with the ECMG. When the scrambler works with the CA system, it can easily help the decoder to correctly decrypt the control word, and decode the scrambling stream by properly controlling the CP. Its high compatibility and integrate design make this device widely being used in the digital TV scrambling field.

Features

- Support DVB the general scrambling system description ETR289, simulcrypt standards ETSI 101 197 and ETSI 103 197
- Support DVB scramble the specific program
- Complies with the DVB common scrambling algorithm, supports the simulcrypt mode, be compatible with a variety of CA systems.
- Analysis the overall MPEG stream
- Support PSI/SI rebuilding and editing
- Support accurate PCR adjusting
- Supports four different CAS system simultaneously

- Supports huge buffer memory, and resists the unexpected code stream
- Supports the bit-rate self-adoption, the re-adjustment and the re-mark of PCR
- Real-time effective bit-rate monitoring
- The packet format: 188/244 bytes
- Monitoring the work state by network system
- Supports the CAS remote connection scrambling
- LCD/Keyboard and net management, support NMS

Specification

Input interface		2 ASI(one for backup)
Output interface		2 ASI
Output bit-rate		1~54Mpbs
Management		Ethernet port 10/100M
General	Dimension	482mm×410mm×44mm
	Weight	3.5kg
	Work temperature	0~45℃(working），-20~80℃(storage)
	Power supply	AC 110V±10%，50/60Hz or AC 220V±10%，50/60Hz
	Power consumption	11W

Order information:

	NDS3701	NDS3703
Bandwidth with CA	Up to 500Kbps	More than 2Mbps