

CA01 Single Output Scrambler



Overview:

CA01 single output scrambler is for input data stream DVB simul-crypt scrambling, with built-in control word (CW) generator to send fixed or variable control words for scrambling. It also can be used for TS scrambling. The scrambler is with built-in simul-crypt synchronous controller, sending control word and access conditions, and changing information with ECMG. Combined with CAS, scrambler reasonably control the scrambling period, so that decoder can decrypt the control word correctly and descramble data stream. Scrambler is highly-integrated equipment which is mainly used in digital TV scrambling. This equipment runs in stable and reliable, and has been applied to many domestic areas and abroad.



Features:

DVB universal scrambling system description ETR289, universal scrambling system description

DVB scrambling for specified programs or basic transport stream

Comply with DVB universal scrambling algorithm, support simul-crypt mode, be compatible with multiple conditional access (CA) systems

Provide overall MPEG data stream analysis function

Provide PSI/SI information reprocessing function

Provide channel protection of input/output ASI data stream

Be able to support 4 different CAS at the same time

Support super buffer, anti-burst data stream

Support data stream adaptive, PCR readjustment function and re-mark function

Support transport stream remote real-time monitoring

Packet format: automatic adapting 188/204 byte packet

Status monitoring via network system

Support CAS remote connection and scrambling

Support various kinds of CAS at home and abroad, and has successful cases



Technical Specification:

» Input Interface	» DVB/ASI	» 2 channels (1 channel for backup)
» Output Interface	» DVB/ASI	» 2 channels
» Output Code Rate		» 1-54mpbs adjustable
» Management Interface	» Ethernet Interface	» 10/100M
» Normal Attributes	» Dimension	» 44mm×482mm×410mm
	» Environment	» 0-45 (Operating) -20-80 (Storage)
	» Power Supply	» 220VAC±10%, 50Hz, 25W

This Scrambler supports the following CAS:

VIACCESS SA

Conax

TLS Limited

NAGRAVISION