

## CA02 Single Output Scrambler (2 Ethernet Interfaces)



### Function:

Single Output Scrambler support 4 CAS with 2 separate data and control Ethernet interfaces



### Overview:

CA02 Single Output Scrambler (2 Ethernet Interfaces) is used for DVB simul-crypt scrambling of input data stream, embedding control word generator inside and sending fixed or variable control words for scrambling. It is also can be used be for transport stream scrambling. The scrambler has build-in simul-crypt synchronous controller, sending control words and access conditions to exchange information with ECMG. It has two network interfaces with different functions, one is used for network management, and another connects with CAS, physically separating management and business. Be coupled with CAS, the descrambler can correctly decrypt control word and descramble data stream, if the scrambler control the CP reasonably. The scrambler is highly integrated equipment, mainly applying in digital TV scrambling.



### Features:

DVB common scrambling system description ETR289, common scrambling system description

Specified program or elementary TS DVB scrambling

Comply with DVB common scrambling algorithm, support simul-crypt mode and be compatible with multiple CAS

General MPEG data stream analysis

PSI/SI re-processing

Channel protection of input and output ASI data stream

Support 4 different CAS at the same time

Super buffer, anti-burst data stream

Support code rate adaptive, PCR readjusting and re-marking

Remote real-time TS monitoring

Packet format: automatically fit 188/204 packet bytes

Status monitoring via network

PCR correction

Support CAS remote scrambling

Support various kiTL of CAS



### Technical Specification:

» Input Interface	» DVB/ASI	» 1 channel
» Output Interface	» DVB/ASI	» 2 channel
» Input Loop Through	» DVB/ASI	» 2 channel
» Output Code Rate		» 1~54Mbps, adjustable
» Management Interface	» Ethernet Interface	» 10/100Mx2
» Normal Attributes	» Dimension	» 44mmx482mmx410mm
	» Temperature	» 0~45 (Operating); -20~80 (Storage)
	» Power Supply	» 220VAC ±10%,50Hz, 25W