

TLCA-3 Scrambler



TLCA-3 is a Simulcrypt compliant Scrambler that allows selected programs within an MPEG-2 Transport Stream to be scrambled in accordance with the DVB Common Scrambling Algorithm. Service Information (SI) and Program Specific Information (PSI) tables are updated with descriptions from the Conditional Access System that has been applied. Additional data streams required by the set-top box, Entitlement Management Messages (EMM) and Entitlement Control Messages (ECM) are also multiplexed into the output Transport stream. The TLCA-3 uses DVB Asynchronous Serial Interfaces (ASI) on inputs and outputs, ensuring interoperability.

Features:

- DVB common scrambling of selected programs or elementary streams
- Integrated with most leading CA systems using DVB SimulCrypt compliant interfaces
- Insertion of EMM and ECM data streams
- Generating of scrambling control words (CW)
- Processing of MPEG-2 Program Specific Information (PSI) tables related to CA
- Processing of DVB Service Information (SI) related to CA
- Bit rate adaptation and PCR re-stamping
- Input bit rate up to 150Mbps, scrambling output bit rate up to 60Mbps
- ASI packet length 204/188 selectable
- Support of TCP+UDP communicating with CA
- Remote real-time monitoring of transport stream
- Support web-based remote control (LAN and WAN)