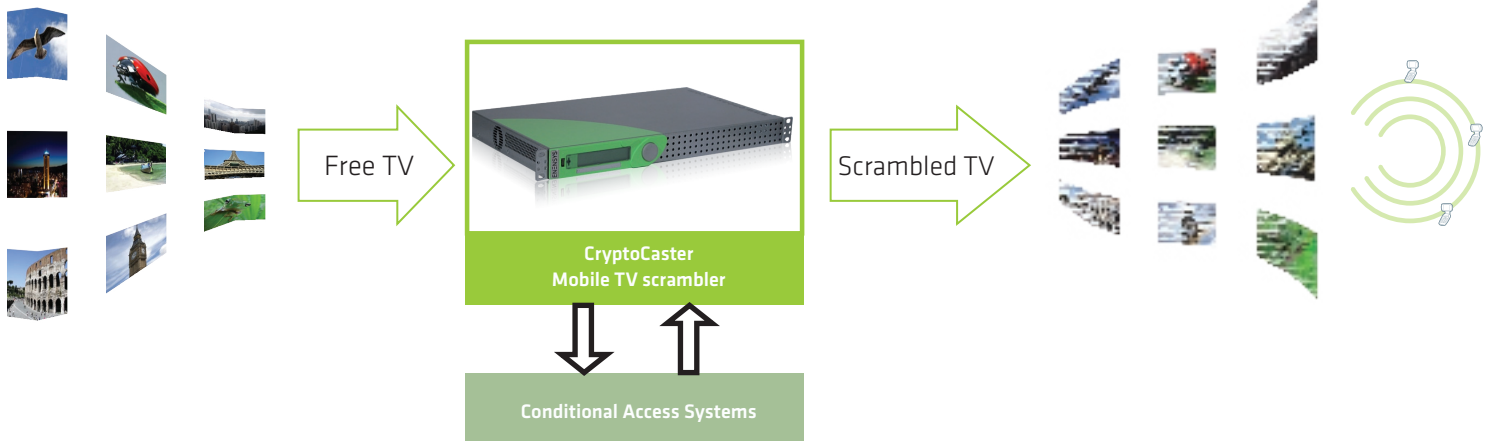


CryptoCaster

Mobile TV Scrambler



ENENSYS' standalone scrambling solution, CryptoCaster, is the key element to implement pay TV business models in Mobile TV.

CryptoCaster is designed to scramble video and audio content to provide content protection and to guarantee secured revenues for any Mobile TV deployments.

Based on ISMACryp standard, the **CryptoCaster** can encrypt incoming RTP video and audio streams stemming from any encoding sources (professional or software based). The **CryptoCaster** retrieves the Session Description Protocol (SDP) file generated by the encoder to get the source stream and to include the necessary scrambling features.

The **CryptoCaster** integrates DVB-simulcrypt interface to integrate with any content and protection system. The standalone unit supports all the different content and protection standards for Mobile TV (DVB-OSF, OMA-DRM, OMA-BCAST SCP). Also it offers FTP facilities to enable ESG server to download the updated SDP files and broadcast an up-to-date ESG referring pay TV services.

Applications

- Mobile TV Pay TV deployments
- CAS integration with third-party encoders

Benefits

- Allows heterogenous head-end from multiple vendors (coder/video server source agnostic)
- Simplifies migration from free-to-air to scrambled DVB-H head-end
- Multi-CAS capable with dedicated interfaces
- Interoperability guaranteed with CAS vendors
- Support all Mobile TV SPP standards

Features

- ISMACryp based encryption
- Standard DVB-Simulcrypt interface with CAS
- Passthru support at stream level to output clear-to-air service
- FTP access for ESG server
- Open Security Framework (DVB-OSF) support
- OMA DRM and OMA-BCAST SCP support

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Inputs

IP	MPEG-4 AVC/HE AAC over RTP Multicast input stream
Media	Clear-to-air Audio/Video content H.264 / MPEG-4 AVC (ISO/IEC 14496-10) AAC-HE audio (ISO/IEC 14496-3)

Outputs

IP	Clear-to-air/Scrambled content MPEG-4 AVC/HE AAC over RTP ECM/STKM over RTP
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Processing

Scrambling	ISMACryp version 1.1 (ISMA TN01146) Real-time scrambling of RTP streams Passthru featuring for delivering clear-to-air services
SDP	SDP fetch (HTTP, FTP) on encoders for session settings SDP conformance checking SDP generation including scrambling parameters FTP access available for ESG servers
CAS	DVB-SimulCrypt 1.4 and 1.5.1 (ETSI TS 103 197) support Dedicated network interfaces Multi-CAS capable DVB-OSF and OMA-DRM/SCP compliant ECM/STKM delivery

Management and control

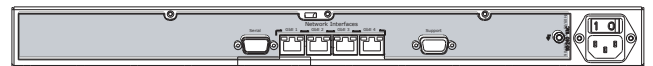
HTTP interface	Intuitive and easy configuration with modern web interface
SNMP	SNMPv2 full support Gets, sets and configurable traps for NMS supervision
LCD	Easy equipment setup and monitoring
Upgrade	Flexible firmware upgrade mechanism

Environment

Operating temperature	0 to 50°C / 0 to 122 °F
Storage temperature	-20°C to 70°C / -4°F to 158°F
Humidity	0 to 95%, non condensing

Physical

Dimensions	43 x 440 x 274 mm 1.7 x 17.4 x 10.79 in.
Weight	3.4 kg
Format	1 RU x 19"
Power supply	100-240VAC
Power consumption	100W



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