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Product Information

OT 32 (Dual) DVB Simulcrypt Scrambler



- ⦿ Stand alone scrambler for DVB transport-stream signals
- ⦿ Compliant with DVB standard CAS system
- ⦿ Compliant with DVB Simulcrypt, supporting up to 4 CAS
- ⦿ Packet length 188 and 204 supported
- ⦿ Common scrambling algorithm used
- ⦿ Generation of scrambling control Word (CW)
- ⦿ TCP and UDP protocol supported
- ⦿ Configuration via Webinterface and command line over TCP/IP

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System introduction

OT 32 Scrambler is the equipment that scrambles selected programs of transport stream (TS) under the control of CAS, allows the only authorized user to receive and watch the programs. Thereby system operator can realize management of conditional charge. The equipment implements compatibility with many CA systems by adopting universal scrambling arithmetic of DVB standard and data protocol of TCP standard.

Specifications

ASI – receiver (input)

Data format	DVB A010 ASI-C, EN50083-0
Packet framing	188 / 204 byte per packet
Bitrate	270 Mbps
ASI mode	Burst or Continuous
Signal level	200 mV (p-p)
Max. signal level	800 mV (p-p)
Output impedance	75 Ω

ASI – transmitter (output)

Data format	DVB A010 ASI-C, EN50083-0
Packet framing	188 / 204 byte per packet
Bitrate	270 Mbps
ASI mode	Burst
Signal level	800 mV (p-p)
Output impedance	75 Ω

Control

Interface	100Base-T Ethernet
Userinterface 1	Web-based
Userinterface 2	Command Line
Monitoring and Alarm	SNMPv2c

Applicable standards

ETSI TR 102 035 Implementation Guidelines of the DVB Simulcrypt Standard
ETSI TS 101 197 DVB Simulcrypt: Head-end architecture and synchronisation
ETSI TS 103 197 Headend implementation of DVB Simulcrypt

General data

Housing	19 " 1HE
Size	440 x 440 x 40 mm

Signaling

1 x power led green
4 x operating led green
1 x alarm led red

Connectors

ASI-input — BNC-connector / ASI-throughput — BNC-connector
ASI-output 1 — BNC-connector / ASI-output 2 — BNC-connector
Control — Ethernet

Power supply

Operating voltage	100 - 240 VAC // 50/60 Hz
Power consumption	12 W
Operating temperature range	+5°C ... +45°C
Nominal temperature range	+15°C ... +35°C
Storage temperature	-25°C ... +75°C



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