



Transport Stream Switch

TSS 3010

Short Description



Transport Stream Switch TSS 3010

Short Description

Release 1.0 BN, 24 January 2012

TSS 3010_Short Description_010.fm

© 2010 Plisch GmbH. All rights reserved.

No part of this document may be reproduced or published in any form, by any means, or for any purpose, without the express written permission of Plisch GmbH.

Plisch GmbH

P.O. Box 1780
68507 Viernheim / Germany

Großer Stellweg 13
68519 Viernheim / Germany

Phone +49 (0)6204 / 707- 0

Fax +49 (0)6204 / 707- 200

E-Mail info@plisch.de

Web www.plisch.de



1 Features

The TSS 3010 transport stream switch is a device for signal distribution of a digital transmitter with ASI feed.

At a head end station video and audio signals, programs or data services are transformed into a MPEG data stream by AD converters and appropriate compression means.

Subsequent to it several of these data streams are combined in a multiplexer. The resulting data stream is generally called "ASI data stream". ASI stands for asynchronous serial interface. The ASI data stream is asynchronously generated, which means that only that data line will be transferred.

The clock must be recovered by a PLL in the receiver.

The clock speed of an ASI signal is 270 Mbps.

The TSS 3010 includes a switching matrix that can conduct eight ASI signals independently on two different outputs.

Each input signal can be switched individually to an output port.

The switching status can be read on LED indicators at the front panel.

Both, the two ASI inputs and eight ASI outputs are located at the back.

For checking the setting of the switching matrix with a monitoring decoder, there are additionally two test outputs available. They are located on the front panel.

The device is equipped with an AC power supply with wide input voltage range, so that it works as well in 230 V networks as in 110 V networks.

An indicator for the correct operation of the power supply is located on the front panel.

Key features

- 8 ASI signal inputs
- 2 ASI signal outputs
- 2 test ports
- cable equalization
- Automatic jitter filtering
- SNMP support (option)
- Remote control (option)
- Easy to use

2 Technical Data

ASI Input parameters	
Connection	BNC
Input impedance	75 Ω
Minimum ASI level (Vpp)	100 mV

Output ports	
Connection	BNC
Impedance	75 Ω
Power level	Conforms with EN50083-9

Test ports (at front panel)	
Connection	BNC
Impedance	75 Ω
Power level	Conforms with EN50083-9

Operating environment	
Power supply	85 V to 264 V AC
Frequency range	47 Hz to 63 Hz
Power consumption	<10 W
Operating temperature	-5 °C to 50 °C
Height	3,500 m
Dimensions [mm]	19" x 1 HU x 590 mm (1 HU = 44.45 mm)
Weight	approx. 3 kg
Humidity	90% non-condensing

Storage recommendations	
Storage temperature	-10 °C to +70 °C
Relative humidity in storage location	10 to 80% at 50 °C