

# PRODUCT DATA SHEET

## OSS-104

*12G-SDI 1x4 Splitter*

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## Revision History

Version Number	Revision Date	Page	Description of Changes
0.10	Sep 30, 2021	ALL	Initial Version
0.20	Jan 21, 2022	ALL	Applied the changes in the v020.
0.21	April 01, 2022	ALL	Changed Document number and add the note for chapter 1.
0.22	Mar. 09. 2023	ALL	Applied the latest document form.

### PROPRIETARY NOTE

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## 1. General Description

OSS-104, The 12G-SDI 1x4 splitter allows one 12G/6G/3G/HD/SD source to be distributed to up to four 12G/6G/3G/HD/SD displays.

- Distributes one SDI input to four SDI outputs
- Supports SMPTE video rates up to 11.88Gbps, enabling UHD video for 4K@60
- Supports ST-2082-1(12G), ST-2081-1(6G), ST-424(3G), ST-292(HD) and ST-295(SD)
- Automatically detects the input signal and re-clocks it to attenuate jitter
- Status LED for lock indicator
- Supports firmware update via USB port.

(Note. Tact switch is only for entering update mode.)

## 2. General Specification

Parameter	
Input Signal / Connector	1 x SDI signal via BNC Female Connector
Output Signal / Connector	4 x SDI signal via BNC Female Connector
USB Connector	1 x mini USB-B Female Connector
DC Power Jack Connector	1 x Locking Type 2.1pi Power Connector
Video Rates	Up to 11.88 Gbps (ST-2082-1)
Video Resolution	Up to 4K@60Hz
Module Dimension	103 x 109 x 25.8 mm (W x D x H)
Module Weight	410g
Enclosure Color	White
Power	1 x External Power Supply DC +12V

## 3. Absolute Maximum Ratings

Parameter	Rating
Operating Temperature	TBD
Relative Humidity	TBD
Power Supply	DC +12 V

**NOTICE**

Stresses greater than those listed under “Absolute Maximum Ratings” may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operations section for extended periods of time may affect reliability.

**4. Electrical Specification**

4.1 Electrical Specification

	Parameter	Symbol	Min	Typ	Max	Units	Condition
P O W E R	Supply Voltage(DC)	Vcc		+12		V	
	Supply Current	Icc		0.15		A	Working
	Power Dissipation	Po		2.04		W	

**5. Mechanical Specification**

5.1 Design Drawing

