

## OxBox Inline Splitz 3G/HD/SDI Multi-rate passive signal splitter

### Key Features

- Passive 3G/HD/SDI Splitters
- Three different versions
- Supports all data rates up to 3GHz
- 2 outputs
- Outputs can be used up to 35 metres
- Complies with SMPTE 259M, 292M and 344M specifications
- Miniature 45mmx30mmx15mm
- Connectors on one side
- Requires NO power supply
- Optional rack mount for 8 units

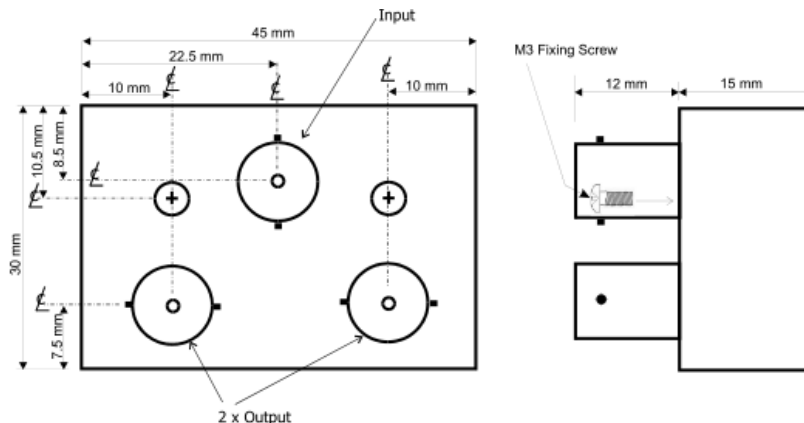


(HD version shown above)

OxBox Inline Splitz products are miniature, passive serial digital video splitters which provide two full broadcast quality outputs from a HDTV or SDI input signal. They are suitable for data rates up to 3GHz, including 1.485 GHz and SDI 270Mhz. As completely passive devices, they are ideal for applications where power is not available such as remote locations, aviation or transport applications. Their miniature size means that they can be used in very small spaces, such as in aircraft, racing cars and motorcycles. For fixed applications, such as studios, control rooms or master control rooms, where multiple units are required a 1RU, 19" rack mount panel is available.

To achieve the specified performance the input signal should be to SMPTE or EBU specifications and have an impedance of 75 ohms. Both outputs must be terminated with 75 ohms and therefore, if an output cable is not present, an appropriate performance (HDTV/SDI) 75 ohm termination should be used.

The OxBox Inline Splitz products are part of a wide range of high quality, reliable digital video distribution, isolation and conversion products. Please visit [www.oxygendct.com](http://www.oxygendct.com) for latest details, where online pricing and ordering is available, 24/7, 365 days per year. For technical support or any further questions please contact us using the details below.



**For first class sales and support contact Oxygen DCT at the following address or via the online website shop.**

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## Specifications

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### SDI Input

Standards	SMPTE 259M, 292M and 344M at 143Mb/s, 177Mb/s, 270Mb/s, 360Mb/s, 540Mb/s, 1.4835Gb/s and 1.485Gb/s, 3Gb/s. DVB-ASI at 270Mb/s
Connector	75Ω BNC
Signal level	800mV p-p ±10%
Insertion loss	3.4dB
Return loss	>15dB, 0.1Mhz to 1.485 Gb/s, with terminated outputs
Amplitude roll off	<0.2dB to 540Mb/s <1.0 dB to 1.485Hz < dB to 3Ghz

### SDI Outputs

Standards	As input signal
Connector	2x 75Ω BNC
Signal level	800mV p-p ±10%
Isolation between outputs	44dB at 20MHz 35dB at 270Mhz 16dB at 1.485Ghz
Return loss	>15dB

### Performance

Rise/Fall time	<220pS (SD), 400pS to 800pS (HD) amplitude 20% to 80%
Jitter	<250ps, estimated

### Mechanical

Material	ABS plastic manufacture, except for metal BNC connectors
Temperature range	0°C to 60°C
Dimensions	45mm x 30mm x 15mm
Weight	30gm

## Ordering Information

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OxBox Inline Splitz-3G, Multi-rate 3G HDTV/SDI signal Splitter  
 OxBox Inline Splitz-SD, Multi-rate SD HDTV/SDI signal Splitter  
 OxBox Inline Splitz-HD, Multi-rate HD HDTV/SDI signal Splitter

## Options

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OxBox Inline Splitz-RMK, 1RU, 19" rack mount unit for up to eight multi-rate HDTV/SDI signal splitters

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