



## OxBox HD110TSG HDTV Serial Test Signal Generator

### Key Features

- HD TSG and Serializer
- 8 HDTV test patterns
- 2 HD SDI outputs
- Supports 720p, 1035i, 1080i formats
- 24/25/30 p(sF) formats
- 24/25/30 p formats
- 50/59,94/60 Hz field freq.
- Compact size: 155x80x25 mm
- Powered by external Power Supply Unit



The OxBox Midi Series HD 110TSG is a cost effective and highly compact High Definition Test Signal Generator and Serializer, converting parallel digital HDTV to a serial digital Datastream (according SMPTE 292). It is simple to use with intuitive buttons and has automatic input scan rate detection, when a parallel input is present. There are two HD SDI outputs provided at a data rate of 1.485 Mbit/s (2xBNC).

The HD 110 TSG can be locked to the input signal or free run and is switchable to the supported standards, shown below. There is a button with LED readout that indicates the standard selected and two additional buttons that select the respective test patterns. The parallel input pin out (D-sub 50) is switchable to either Panasonic or Philips/BTS standard.

### Test format

Use test button to select:

0:	Parallel IN
1:	1080/60i
2:	1080/59,94i
3:	1080/50i
4:	1080/30p
5:	1080/29,97p
6:	1080/25p
7:	1080/24p
8:	1080/23,98p
9:	720/ 50p
A:	720/24p
B:	No function assigned
C:	1080/24psF
D:	1080/23,98psF
E:	720/60p
F:	720/59,94p

### Test pattern

Press up/down pattern buttons to select:

1:	Y-Sweep 30 Mhz
2:	C-Sweep 15 Mhz
3:	Color Bar 100/100
4:	Grid
5:	Grid inverted
6:	Y-Ramp
7:	Stress Pattern
8:	Monitor Test (PLUGE)

Light weight and portable, this unit can be used for fixed systems or as a portable source during installation commissioning or even in the field where a 5V DC power source is available. It is easy to use and provides a comprehensive set of test patterns. This unit is part of a complete range of high quality OxBox video and audio signal conversion, processing and distribution products, all suitable for broadcast and other professional applications. Please see the other data sheets for all products or visit the website.

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

The Lodge  
Worting Park  
Basingstoke  
RG23 8PX  
United Kingdom

W: [www.oxygendct.com](http://www.oxygendct.com)  
E: [info@oxygendct.com](mailto:info@oxygendct.com)  
T: +44 (0) 8707 4 62062  
F: +44 (0) 8707 4 62063

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## Specifications

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### Input

HD-parallel video  
Connector

To SMPTE 292

Male 50 pin connector; attach directly to the source equipment by securing the mounting screws to the source female connector

Pin-out

Conforms to Panasonic and Philips/BTS

### Outputs

HD-SDI x 2  
Connector  
Return loss

SMPTE 292M, 1.485, 1.485/1.001 Gbps

75 $\Omega$  BNC

> 15 dB up to 1.485 GHz

### General

Power

5V DC, 8W regulated

Temperature range

+0 to +45 C

Dimensions

155x80x25 mm

Weight

350gm

## Ordering Information

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OxBox Midi HD110 TSG HDTV test Pattern Generator. (PSU is provided as standard)

## Options

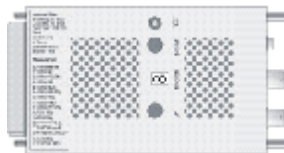
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Please refer to [www.oxygendct.com](http://www.oxygendct.com) for the latest information on other HDTV products.

Front View



Rear View



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