greenMachine® Datasheet

Testor
Video and Audio Testing

packages:
GMPT TESTOR
licenses:
GMC-TESTOR-titan

callisto+
titan

4x3G / 1x 12G Test Signal Generator

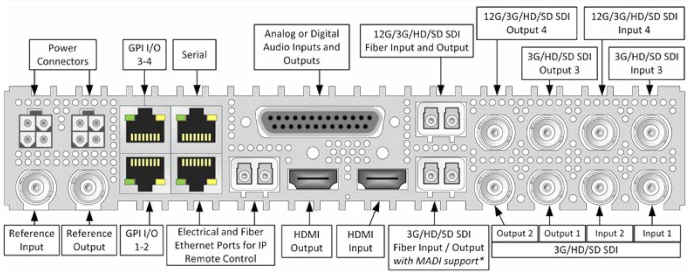
Description

The greenMachine Testor is a feature-rich and user-friendly multi-format test signal generator and AV sync analyzer. It is the ideal troubleshooting AV solution for technicians & engineers working in the field (OB or temporary installations), in studio applications, and for line-up tasks in master control rooms.

The greenMachine Testor is a video and audio test signal generator and supports two configurations:

1. **Single Channel 4k/UHD: single link and quad-link (2SI) 12G-SDI**
2. **Quad Channel 3G: four independent 3G-SDI channels**

In addition to the extensive industry standard static and dynamic video test signals & patterns, greenMachine Testor also provides the option for users to upload their own static custom signal patterns. Graphics and text can also be added to the test signals.



Functions

Test Signals:	36 SDR + 6 HDR test signals and patterns 2 Large Scale LED panel patterns
User-defined Signal Patterns:	Upload user-defined and customizeabe signal patterns logos and text
HDR Test signals:	Test patterns for PQ, HLG and SLOG3
Integrated Overlay Editor:	Tool to place images and logos, add text, and user-defined signals, patterns, and graphics
Audio Test Generator:	16-channel audio test generator with adjustable level, phase, frequency, mix-down, and an EBU/AV sequence. Audio signals can be embedded into the SDI video output(s) and/or routed to the external audio outputs
AV Delay Test:	Test signal generator which is compatible with most standard AV delay meters.
H/V Rolling:	Horizontal and vertical rolling and speed adjustments.
Link Indicator:	For UHD signals, allows indication of 2SI link on quad link channels.
MADI Signal:	Generate a 64/56 channel MADI Signal and use audio crossbar to assign 16-channel audio test generator. (MADI transmission requires optional SFP)

Technical Specifications

Operation Modes

- 4k UHD single channel configuration
- 3G HD quad channel configuration

Input / Output Data Range

- Full range : Video signal representation (10bits) in full range of values from 0 to 1023 decimal (according to ITU BT 2100)
- Narrow range : Traditional video signal (10 bits) in range of values from 64 to 940 decimal