

Features

- Production test instrument for RedMere enabled active cables
- Easy to use production test mode
- Clear pass/fail indicator
- Product quality management
- Production test analysis
- Windows XP GUI for Advanced Use

Benefits

- Fast – 2 to 5 seconds to test a cable
- Reliable
- Cost effective
- Easy to use
- ONLY production test platform & design tool for active cables
- Excellent correlation
- Test of different speeds ranging from 1.485Gbps to 3.4Gbps

Applications

- HDMI cables



Product Overview

VerifEye™ (V1002) is an active tester for high-speed HDMI cables incorporating RedMere's chip technology. The cost-effective unit supports the high volume production of advanced active cable solutions.

The V1002 is designed to measure the performance characteristics of the cable assembly and determine the compliant settings of the embedded silicon to meet the signal integrity requirements. The final step is the permanent programming of these settings to the silicon. The resulting cable assembly has the performance characteristics of the IC matched to the attached bulk cable. All passing cables produce HDMI compliant eyes.

The V1002 is installed with software which is customized to work with RedMere enabled cables. The software consists of two main components called VerifEye™ Lab and VerifEye™ Line.

VerifEye™ Lab is used to calibrate and set V1002 up for production. It allows the user to generate a set of equalizer values which can be used by VerifEye™ Line. With VerifEye™ Lab, the user can also gather data which is stored in an SQL database. Depending on which active device is embedded in the cables, the user can select one of four data rates, ranging from 1.485 to 3.4 Gbps.

With VerifEye™ Line, the V1002 scans through the set of equalizer values chosen in calibration mode. The most appropriate setting is selected and programmed into the cable in the fastest possible time. It can be used in stand-alone mode (simple external button control) or via Windows XP (with attached monitor, mouse, etc). The Line mode is used on the production floor to carry out at-speed testing of the active cable up to 10.2Gbps. Typical test time for an active cable is 2 seconds, reported to the line operator through a simplified GUI. The unit also provides statistical analysis from the production line to support yield, reliability and quality improvements.

VerifEye™ Cable Under Test



Ordering Information:

- Part Number: V1001 (Includes V1002 and all accessories)
Description: VerifEye™ HDMI Active Cable Tester and Accessories