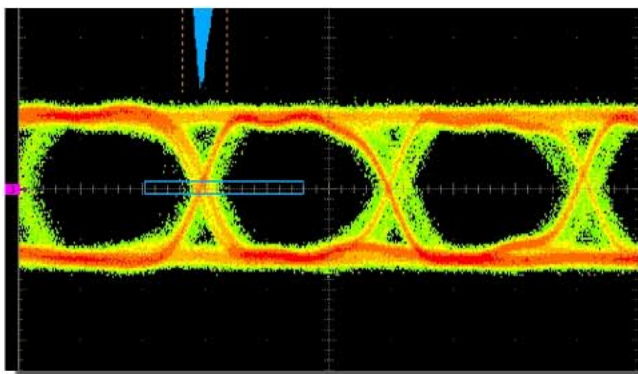
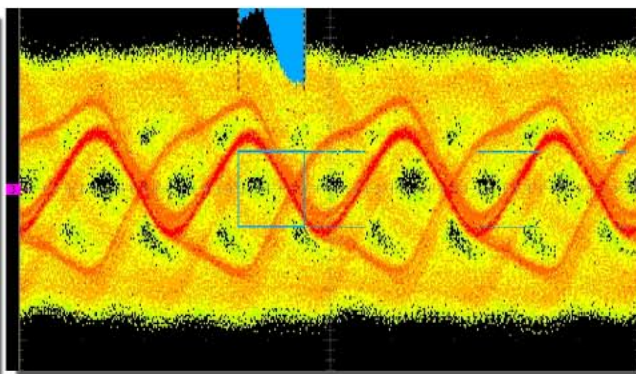


Can Your HDMI / DVI Cable Pass The Eye Pattern Test?



PureLink By Dtrovision
Digital Extender®
Fiber Optic Cable System at 33 ft.



Leading Brand
HDMI Copper Cable at 33 ft.

If there's no eye, there's no picture.

Get the Eye. Get PureLink Fiber Optic Cables

Eye Pattern Test for HD Accuracy -- HD Signal Via HDMI (1080p/UXGA 1.65 Gbps)

The test was conducted with 3 different video sources:

1. Sony DVP-NS975V DVD Player with HDMI output (1080i)
2. PC with Radeon ASUS9550 Graphic Card with DVI output at UXGA (1600x1200 at 60Hz refresh rate)
3. Samsung HD-941 DVD player with HDMI output (1080i)

Cables Used:

- 33 ft. (10m) Leading Brand Copper HDMI to DVI Cable
- 33 ft. (10m) Leading Brand Copper DVI to DVI Cable
- 33 ft. (10m) PureLink by Dtrovision OC-005 Hybrid, Self-Powered Fiber Optic DVI Cable
- 33 ft. (10m) Purelink by Dtrovision HDX-005 Fiber Optic HDMI Extension System

Test Equipment: Tektronix CSA7404 High-speed Digital Oscilloscope

Description of Eye Pattern Test and Diagram

The two critical factors that decide reliability and accuracy of the digital signal are:

- 1. Time Clock:** Are the 1s and 0s (determined by upper peak and lower peak) accurately translated based on time, thus the timing of 1s and 0s is accurate ?
- 2. Translation:** Are the 1s and 0s (upper peak and lower peak) easily distinguishable at given time and thus translated correctly?

The scope image of the 33 ft. copper cable's two crossing lines at the base line are thick and irregular, thus the timing of the data is very hard to determine. The 33 ft. fiber optic cable's two crossing lines at the base line are thin and regularly spaced which translates to reliable and accurate data delivery.

The upper peak and lower peaks of 33 ft. copper cable are very close which makes it difficult to interpret data accurately. The upper peak and lower peaks of 33 ft. fiber optic cable are clearly separated in both height and width, creating the "eye", which results in accurate translation of the data.

PureLink by Dtrovision is the most accurate way to move gigabit HD content via HDMI or DVI throughout the home, office, theater, arena, or stadium.

Get the eye. Get PureLink.