

FlexMedia™ VA-01

High Definition LVDS Video Analyzer

The Alfamation FlexMedia VA-01 features real-time HD video bit error rate and pixel error rate analysis, along with exceptional performance and compactness through industry-standard NI PXI/PXIe and FPGA-based NI FlexRIO technology.

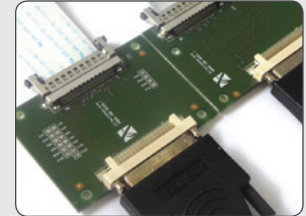
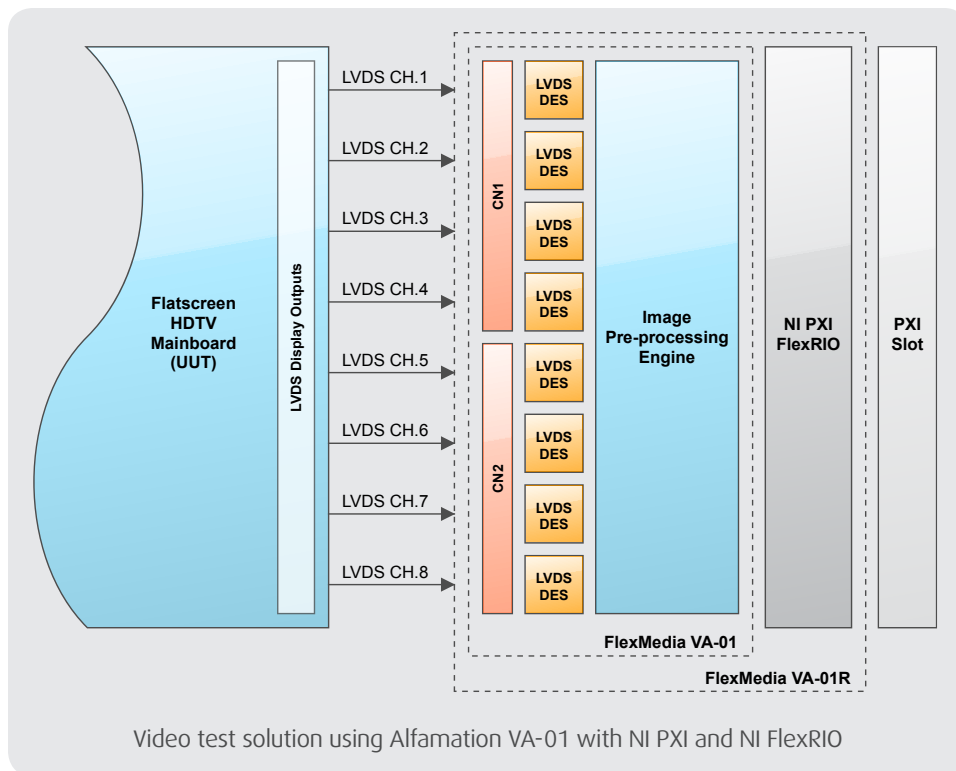
- Lightning-fast video test at 25 Gb/s
- 4 k x 2 k wide video support
- Tests HDTV mainboard video at 240 Hz

Features

- HDTV image capture and real-time compare
- Real-time bit error rate test
- Real-time pixel error rate test over noisy video
- Up to 1080 p at 240 Hz
- Up to 30-bit color depth
- Up to 8 LVDS channels
- NI LabVIEW™ libraries for ease of integration

Specifications

No. of simultaneous LVDS channels:	8 channels (clk+5 data each)
Clock speed:	Ranging from 8 to 135 MHz (or 150 MHz)
Parallel pixel selection (per clock cycle):	Up to 8
Active channel selection:	Software-selectable
Color depth:	18-24-30 bit
Frame rate:	Up to 240 Hz over 1080 p
Max. bit rate for realtime test:	Up to 25 Gb/s (aggregated)
LVDS pixel information mapping:	Software-selectable VESA or JEIDA
Functions available through LabVIEW VIs:	Reference image acquisition and storage on disk Reference image retrieval from disk Real-time bit error rate test Real-time pixel error rate test



Custom cables and adapters are available upon request.