SOFTWARE VisionTRX™ Visual Monitoring System

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ETS-Lindgren's VisionTRX Visual Monitoring System redefines automated movement based analysis of Equipment Under Test (EUT) during Electromagnetic Compatibility (EMC) testing. In order to verify EUT behavior, the software allows automated visual monitoring of relevant parameters during exposure to the required electromagnetic field strengths. EUT may include speedometer needles, dash lights, LEDs, radios, heads up displays, etc. – the possibilities are limitless. Functioning either independently or seamlessly with ETS-Lindgren's TILE!™ Totally Integrated Laboratory Environment, the powerful VisionTRX platform provides extensive time-saving capabilities with vast potential in your lab.

Key Features

- Extensive Monitoring Parameters
- Customizable Limits
- Active Analysis
  - Including Frequency Tests for Turn Signals
- Event Recording
- Active Data Text Overlays (Selectable Colors)
  - User Defined (Operator, EUT id, and More)
- Thresholding

Features

Extensive Monitoring Parameters

Allows monitoring on color, intensity, and movement. It also supports recognition and monitoring of numeric characters.

Customizable Limits

Define regions to be monitored and set limits relative to the parameter being monitored. Available limits and thresholds are vast.

Active Analysis

Allows active real time analysis and fault detection for each region.

Event Recording

Allows recording and storing of all video collected during a test, along with the ability to jump directly to failures. Collected data can easily be remotely shared with clients or exported for reports

Active Data Overlay

When functioning in parallel with TILE!, the software allows live data to be overlaid on the recorded video. This could include power level, frequency, time/date, User defined: operator, EUT id, and etc.

Thresholding

When functioning in parallel with TILE!, the software allows automatic Thresholding to find exact level where faults occur.

Specifications

Other Specifications

- Works with Nearly any Type of Camera
  - Ethernet Based H.264
    - ETS-Lindgren 4340 HD-CCTV Systems
    - Commercially Available Security Cameras with RTSP
  - EMC Hardened Cameras for Inside Chambers
    - Any Camera with an HDMI / DVI can be used with Optional USB Framegrabber
      - Messtechnik GmbH
      - Pontis
      - ChangeN
      - Any Camera with an HDMI / DVI Output
    - Combined Images from Multiple Cameras
    - Optional Support for Multiple Cameras
  - Inexpensive USB Cameras can be used Outside chambers to Monitor Auxiliary Equipment
- Frame Rate - Supports up to 60 Frames-per-second (fps) at 1920 x 1024 (60 Hz), Depending on the Camera Selected
- Frame Grabbers - (Optional) Allows for Easy Interface with HDMI, DVI Inputs
- Vibration Tolerance - User-definable Based on Region Size