

CAMQUEST CY701 - Closed Loop Video Camera Tester

CAMQUEST CY701 is FPGA-based tester of video camera systems mainly for automotive production plant application. A video camera installed in a part readied in a production plant is tested in a separate stand with LCD monitor, CAMQUEST CY701 tester and a standard PC. The PC sends commands to CAMQUEST CY701 which generates testing images on the monitor, processes the incoming video signal from camera and evaluates camera functionality and geometrical attributes of camera placement relevant to manufacturing process. All image processing takes place in the CAMQUEST CY701 so there is no extensive need for PC processor time. Testing time is approx. 10s.

Features

- detection of arbitrary camera skew in +/- 180° interval
- measurement of image offset, zoom, side ratio and linearity
- detection of mirroring cameras
- composite 1Vpp video camera input
- optional LVDS camera input
- 12V DC supply for camera
- build-in VGA image output for standard monitors
- entire image processing in FPGA, no need for PC processor resources
- wide PC connectivity (RS232, USB, LAN)

