

IMAGE JUDGMENT SYSTEM

7301A

~ Image judgment system using EMC shielded camera ~

Judgment by visual inspection can be replaced by automatic inspection.

Outline

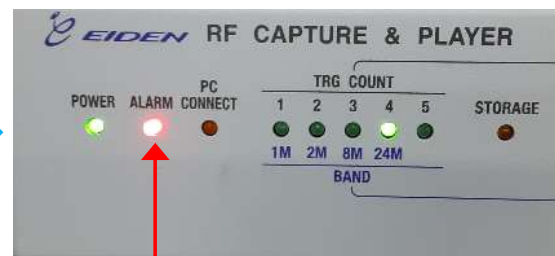
Replacing to this system, the tests of the continuous operation for a long time can be changed to the automation efficiently. The long time visual inspection may make the reliability to reduce, because of the loads of the inspectors. by tiredness and etc. When using this system, the images can be inspected in the same conditions for a long time.

* This system can be operated in the EMC measurement environment.



Application 1 - Device/ Circuit Board Inspection -

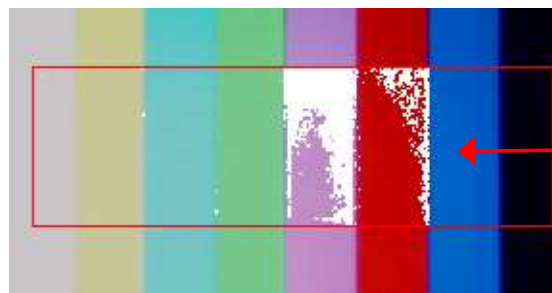
Changes of the LED display on the device or the circuit board is detected.



The light of the ALARM indication LED is detected.

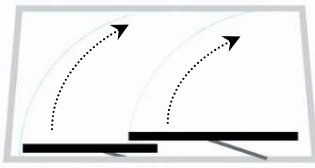
Application 2 - Display -

This is the detection that the red elements on the color bar changed for 3%.



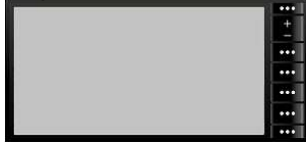
The detected place is colored in white.

Application 3 – Automobile -



Wiper

The movable range by the motors can be inspected.



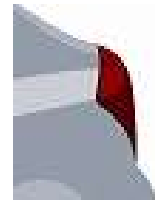
Screen (Car navigation system)

The luminance, the color phase, the drop noise, the freezing and so on can be inspected.



Meter panel

The indicators on the panel, the lighting-on and the shutting-off can be inspected.



Backup light



Headlight



Power window

The movable range by the motors can be inspected.

Features

■ The settings and the operation are easy.

The settings and the adjustment of the camera is easier than conventional image judgment systems.

The inspected objects and the setting place can be changed in short time.

■ Linkage with conventional test devices and systems

Linking with conventional test devices to this system, the inspection can be automated perfectly.

Sharing the test information, the analysis and confirmation of the test result can be made efficiently.

■ The judgement phenomenon are recorded in visual image.

The before and after of the judgement phenomenon are recorded in visual image and are reproduced with the test contents .

The occurrence condition of the judgement phenomenon can be recognized correctly in the moving picture at the analysis and confirmation of the test result.

■ Detailed settings of judgment condition

The judgment condition in the picture element level can be set. Therefore, various video change phenomenon which are judged difficult by visual inspection can be inspected.

■ Corresponding to EMC measurement environment

The camera has the shield characteristics corresponding to interfering wave which is more than 250V/m. Therefore, this system can be set and operated in anechoic chamber.

Configuration

- Camera corresponding to EMC environment
- Optical cable
- O/E conversion adapter
- Control PC

