

APP1050

Instrument and LCD display quality check

- ✓ Automotive
- ✓ HI-Dynamic
- ✓ Pattern recognition
- ✓ Color measurement

Complexity

①②③④⑤



TECHNICAL FEATURES

- *EOPTIS' color camera, remote control, integrated illuminator and processing unit*
- *Custom EOPTIS' hardware*
- *Integration with instruments test system*
- *Control interface via touch-screen*

1 CUSTOMER NEEDS

The need is to automate the quality check of the LCD instruments screen produced by the customer. Each pixel must work correctly and the expected image must be displayed due to a given stimulus applied to the measure instrument.

- Control over 100% of the products
- Compatible with 8 different display types

2 SOLUTION

The system provided by EOPTIS is fully integrated with the customer's test equipment and is capable to check all the specified LCD displays without any custom configuration. With simple settings, the system can be scaled up to test new LCD display types.

- Full integration in the test system
- Simple configuration interface to scale compatibility with new measure instrument types

3 BENEFITS ACHIEVED

The use of this system allows to control the functionality of all the customer's products. The use of an automated system decreased the operators intervention during the quality check, reducing the verification costs.

- Lower productions costs
- Increased products' quality