

TT-NIRI™

Near-Infrared Test Module for TrueTest™ Software

Applications

- Angular measurement for near-infrared (NIR) emitting devices used in facial recognition and other 3D sensing applications
- Use with the Radiant Near-Infrared (NIR) Intensity Lens integrated camera/lens solution
- Evaluation of 940 nm* light sources for accurate radiant intensity output at angles to $\pm 70^\circ$ at once

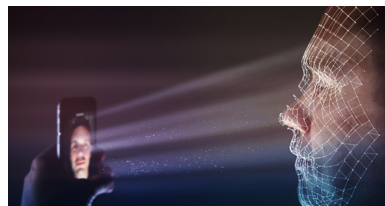
Benefits

- Quickly apply pre-defined tests for NIR emission measurement
- Characterize emitters in the lab for R&D; use data as a benchmark during production for real-time quality control
- Capture and measure all angular data points simultaneously for optimal production-line efficiency
- Software test sequencing and hardware integration allow automated testing for production and end-of-line
- Easily transition data files within the Radiant family of software

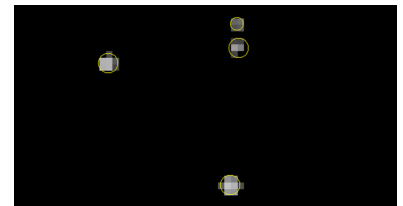
Software module with tests for evaluating near-IR emission patterns and angular distributions

Radiant Vision Systems TrueTest™ Software provides a comprehensive set of tests for image analysis within a flexible framework that enables evaluation using a single test, or multiple tests in sequence. Test sequencing and pass/fail reporting functionality make TrueTest the ideal software package for production environments. TrueTest Software can be combined with a Radiant ProMetric® CCD Radiometer to create a complete testing system for near-infrared (NIR) intensity measurement.

The TT-NIRI™ module for TrueTest Software provides a test suite to efficiently perform high-resolution angular measurement of NIR light distributions, as well as dots in structured light patterns produced by diffractive optical elements (DOE). Extensive data analysis and display functions are included: isometric plots, cross-sectional graphs, radar plots, and bitmaps.



Evaluate NIR emitters used in facial recognition and other 3D sensing applications such as gesture recognition and eye tracking.



Diffractive Optical Element (DOE) patterns are dynamically located and analyzed in TT-NIRI. Identifies characteristics such as the angles of location, intensity, uniformity, and flux.

* For applications at wavelengths outside of 940 nm, please speak with a Radiant sales representative.

