

Trueye

Virtual light curtain camera & monitoring system
Optimizes log & lumber flow and automation through your production



Perfect automation

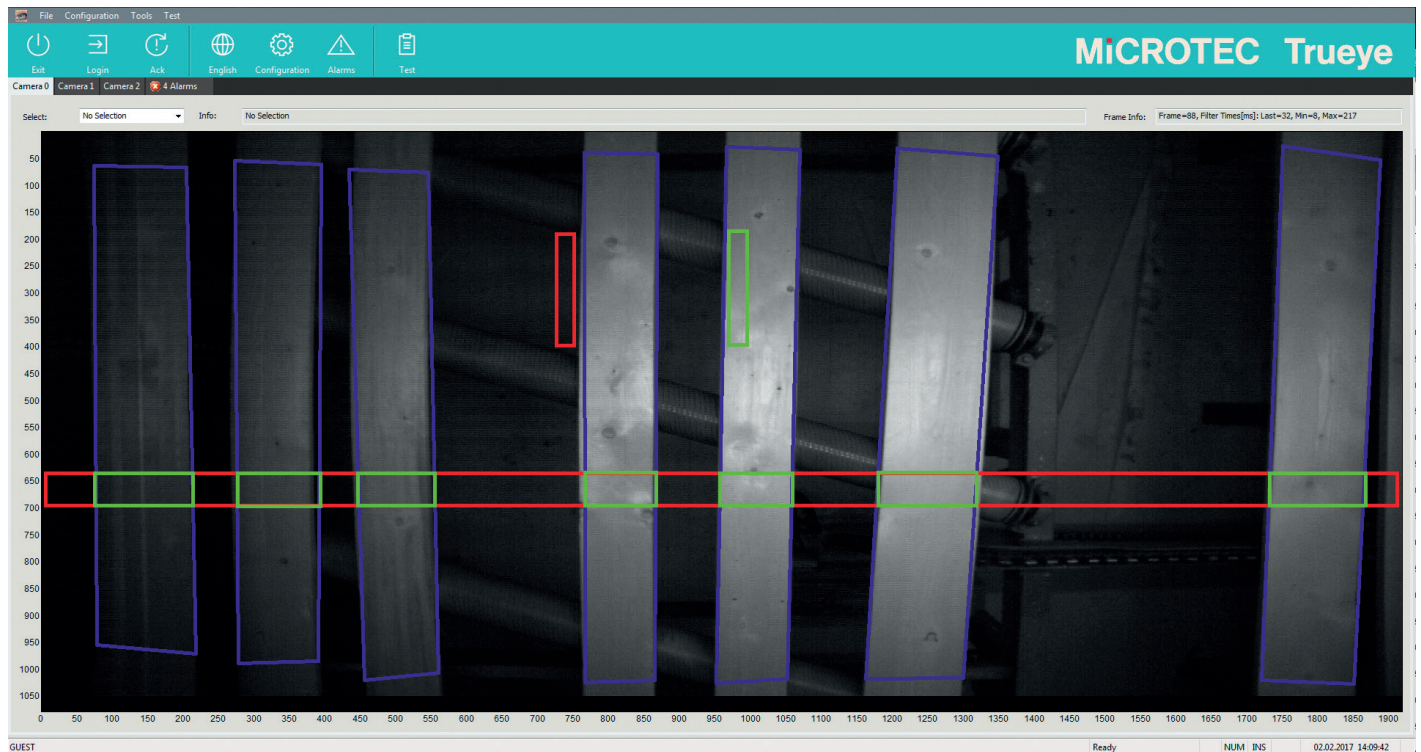
Trueye Virtual Light Curtain is your camera based monitoring system that allows you to virtually install light curtains and optimize and control your production flow. Install and position virtual light curtains digitally with one click at any point within your production line. Any number of light curtains may be installed, and their position can be modified instantaneously, without any mechanical or electrical investments.

Trueye is the sensor of your choice for handling any log or lumber transport application including including log & lumber feeding, trimmer lug loader, stackers and more.

Trueye allows the definition of both single line light curtains and large area light curtains. Virtual light grids may be set to divide the production area into segments. The software then reveals which segments are filled. For large areas, Trueye Light Curtain determines the extent to which percentage a segment is filled.

The software detects the objects in the image and determines area, dimension, skew and position of the object. Dimension and form of recognized objects can be defined in the software. This enables a more reliable and stable object recognition than traditional point light barriers.

Trueye collects the data from all installed cameras. Various light curtains that have been defined in the software are analyzed, and their status is displayed. Accordingly, all necessary instructions are passed to the PLC unit to adjust your production flow in real time.



Trueye Virtual Light Curtain features

- × Installation and repositioning of multiple virtual light curtains along your production line
- × 100% surveillance of your automation process
- × Measuring area of up to 7.5 × 15 meters (25 × 50 feet)
- × Smart lighting system that is insensitive to ambient light
- × Robust image processing algorithms faded out the background to focus on inspected elements
- × Dimension and form of complicated objects to be recognized can be defined by parameter settings
- × Allows the definition of large area light curtains and light grids
- × Cost effective, simple to install and maintain, and requires less operator intervention

Trueye Virtual Light Curtain application examples include

- × Constant and optimized lumber flow during processing
- × Auto-detection of lumber filling level
- × Intelligent controlling and timing of feeding unit
- × Automatic adjustment of production speed to ensure a constant supply of lumber to their allocation units
- × Realignment of boards not running symmetrically by individual adjustment of chain speeds



World leading wood scanning solutions



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