Acuros® CQD® SWIR Camera Applications Note

Machine Vision Inspection of Food Products thru Cellophane Packaging

Application Details

(a.) & (b.) Sets of visible images and corresponding SWIR images captured with halogen light. (c.) Visible image, and SWIR image with broadband halogen light, used to detect presence/absence of food product. Images captured via SWIR Vision Systems Acuros® CQD® 1920 SWIR Camera with TEC, 50mm SWIR coated lens, and commercially available halogen light.

Acuros CQD 1920 SWIR Camera

1920 x 1080, 2.1Mp resolution, 60 fps frame rate, 70 dB dynamic range, 15micron pixel pitch, 400-1700 nm spectral range, GigE Vision or USB3 Vision interface. Acuros CQD quantum dot sensor comes equipped with single-stage thermo-electric cooler.