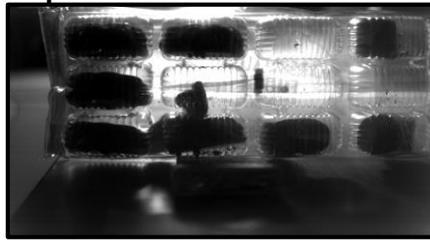
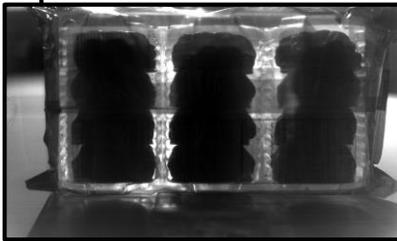




Acuros[®] CQD[®] SWIR Camera Applications Note

SWIR Application Note - 004

Machine Vision Inspection of Food Products thru Cellophane Packaging



a. Acuros 1920 CQD SWIR Camera image with Backlight

b. Acuros 1920 CQD SWIR Camera image with Backlight

c. Acuros 1920 CQD SWIR Camera image with Frontlight

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.



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.