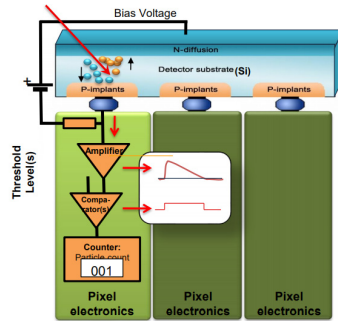


Non-Destructive Testing

Technology and software

Single photon counting technology based on CERN CMOS chip MediPIX3



Advantages

Direct conversion: radiation quantum - electric pulse - digital count

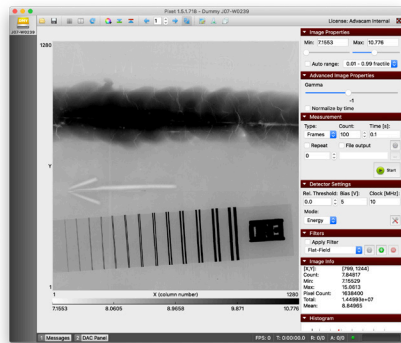
High resolution: 55 microns or better

Provides energy sensitive imaging (spectral too)

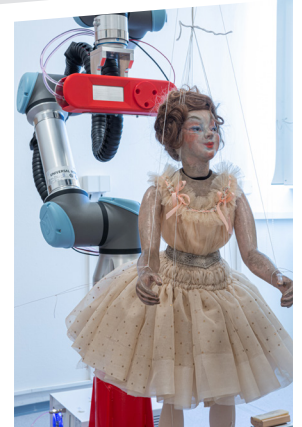
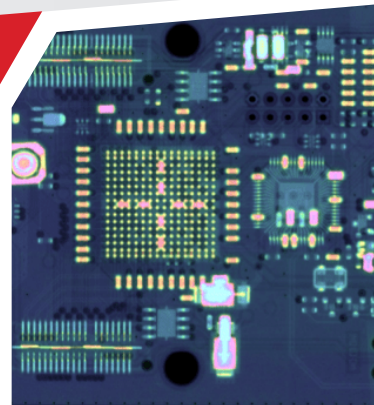
High speed (up to 1700 fps)

TDI mode for continuous industrial scanning

Operating Software: PIXET PRO



- Complete UI for detector setup and control
- Open for integration of additional HW
- Python scripting
- SDK with complete detector API

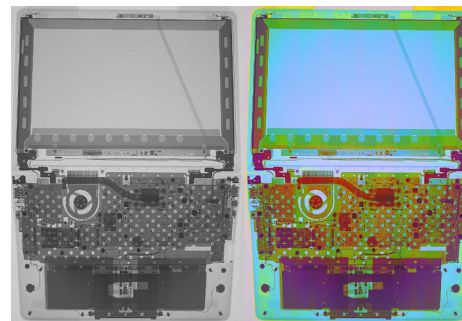


ADVACAM's X-ray digital radiography imaging detectors are an ideal solution for many NDT applications. The spectral image taken with our WidePIX detector for example unveils the different components of a PCB in different colors.

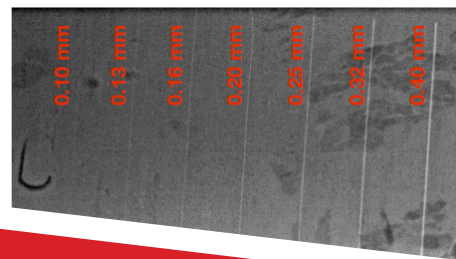
A marionette scan



Rose X-ray



BAM-5 (8.3mm thick steel) and 10FEEN wires. All wires are detected behind the sample steel wall



Detectors

WidePIX 2(1)x5 MPX3

Readout chip: MPX3

Sensor material: Si or CdTe

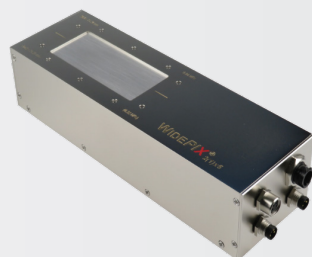
Number of pixels: 512 (256) x 1280

Readout speed: 50 (1x5) and 20 (2x5) frames/s

Interface: USB 2.0

Dimensions: 213 x 60 x 40 mm

Weight: 1800 g



WidePIX L 2(1)x10 MPX3

Readout chip: MPX3

Sensor material: Si or CdTe

Number of pixels: 512 (256) x 2560

Readout speed: 170 (1x10) and 80 (2x10) frames/s

Interface: 2x Ethernet RJ-45

Dimensions: 210 x 190 x 42 mm

Weight: 3400 g

