PANORAMA

Ultra Wide Context Aware Imaging

*PANORAMA is developing solutions for applications in **healthcare, broadcasting systems and security & surveillance**, all of which face similar challenging issues in the real time handling and processing of large volumes of image data:*

- *A large increase in amount of data that needs to be processed*
- *An increase in the complexity of image processing and image analysis algorithms*
- *Tight real time requirements for image based control systems*
- *Representation of "holistic" image data*

Healthcare
- *Smart X-ray systems, less user interaction*
- *Real-time depth imaging*
- *Objective metrics for evaluating and optimizing image quality*
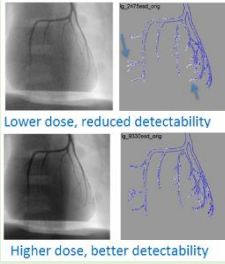

Broadcasting
- *New cameras for UHDTV*
- *Automatic color matching, less user interaction*
- *Stereoscopic imaging*

Security and Surveillance
- *Multi camera person tracker, less user interaction*
- *Single gantry vehicle tracker and ALPR*
- *Smart UHD surveillance cameras (5 &12Mp)*

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Healthcare

Lower dose, reduced detectability

Higher dose, better detectability

IQ-metrics and X-ray detectability maps

Limited angle tomosynthesis

Broadcasting

Color correction

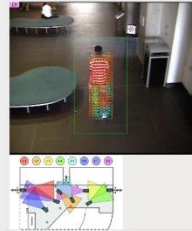*Automatic color matching between cameras*
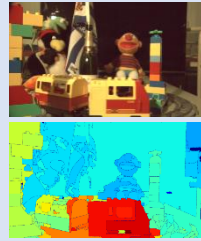
Stereoscopic imaging

Security

Smart and ultra sensitive surveillance camera

Person tracking & 3D room reconstruction