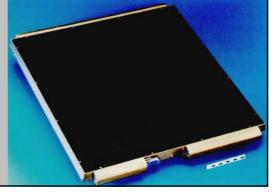
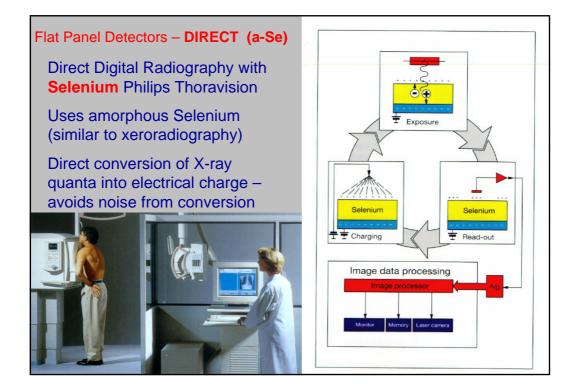


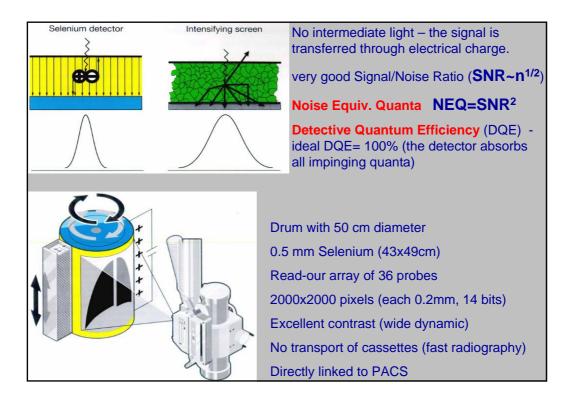
Detector size 43x43 cm, matrix 3000x3000 (pixel size 0.14 mm) > Resolution ~3 Lp/mm DQE ~ 60% (twice the conventional film/screen) Allows integration with Bucky table (anti-scatter) Very high workflow (patient flow) Still quite heavy detector

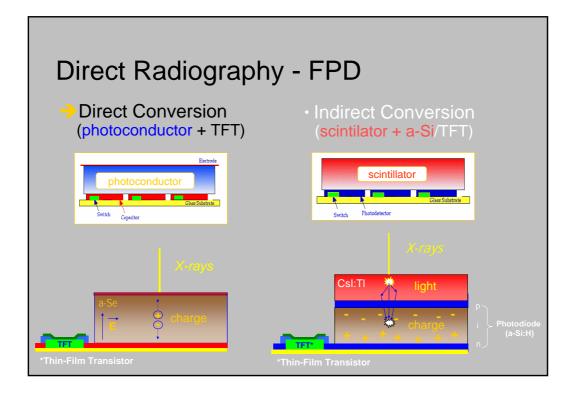
Due to the rapid-sequence imaging, it is expected that in future the flat detector will replace the Image Intensifier TV systems in real-time examinations (fluoroscopy)

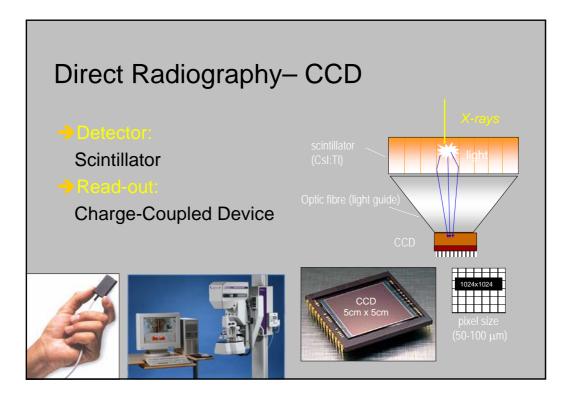
Similar to CCD (mono-crystalline), but much larger due to a-Si.

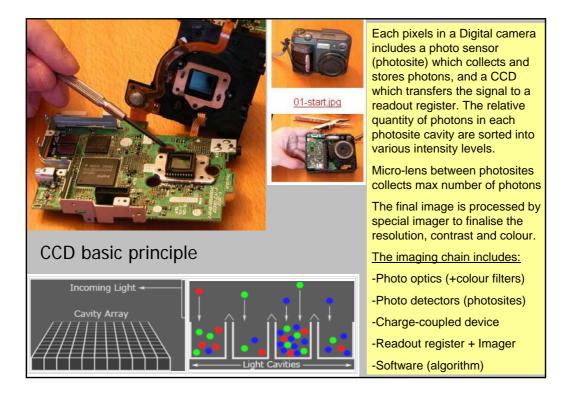


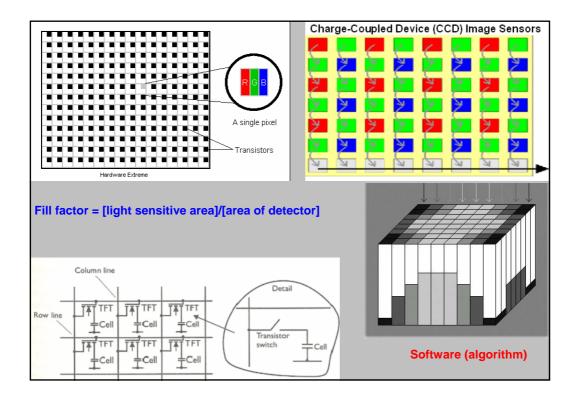


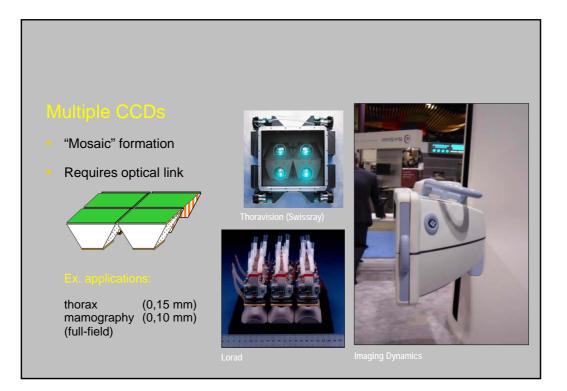


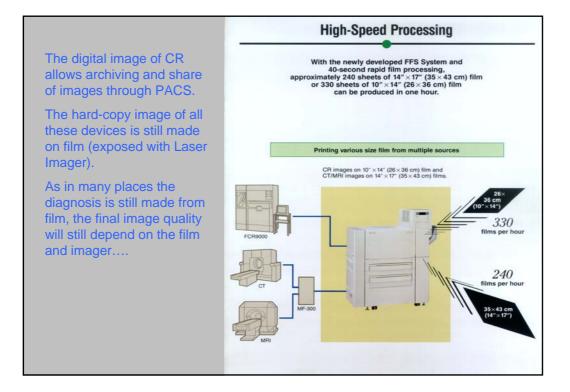


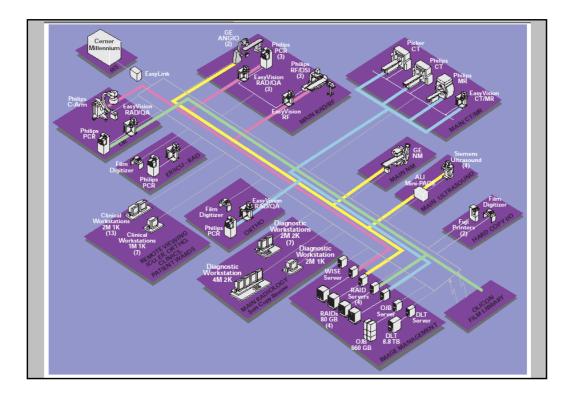


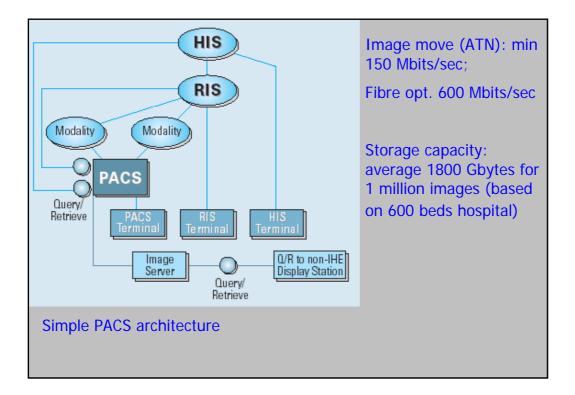


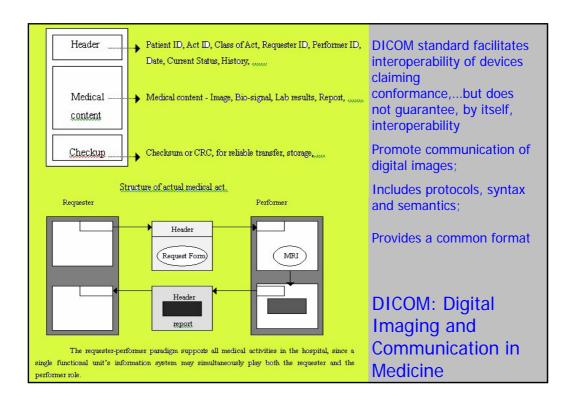


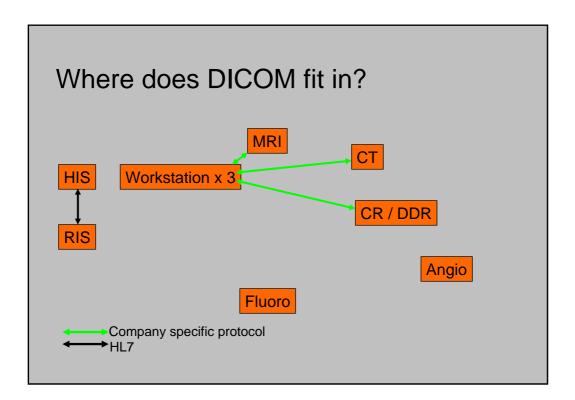


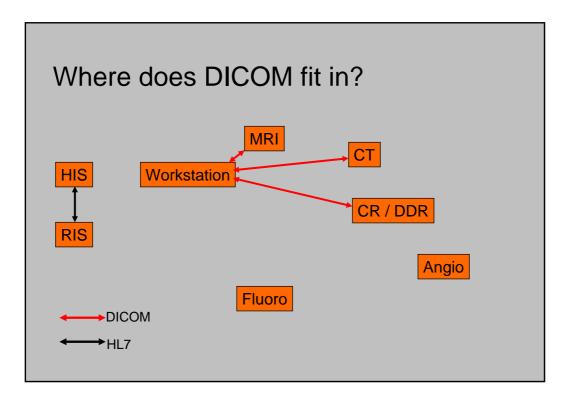


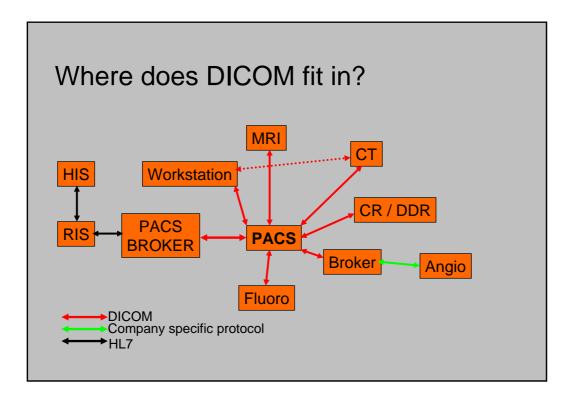


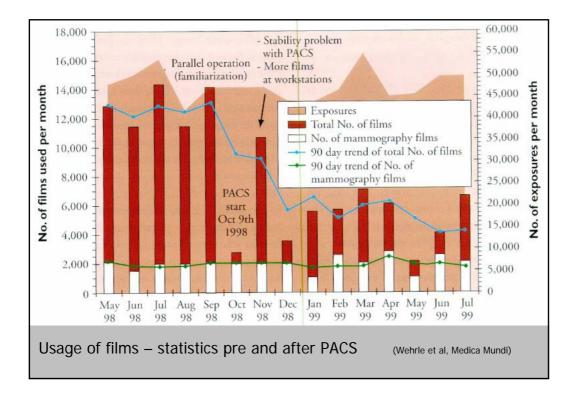


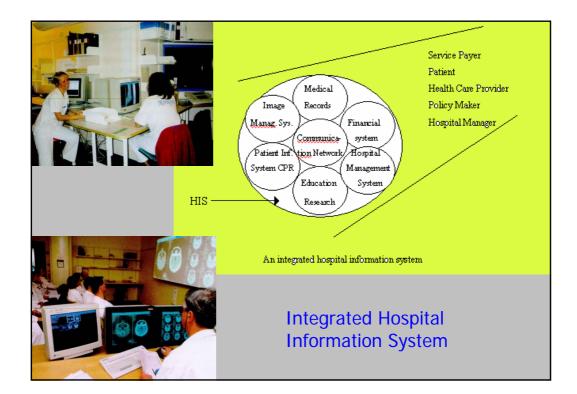


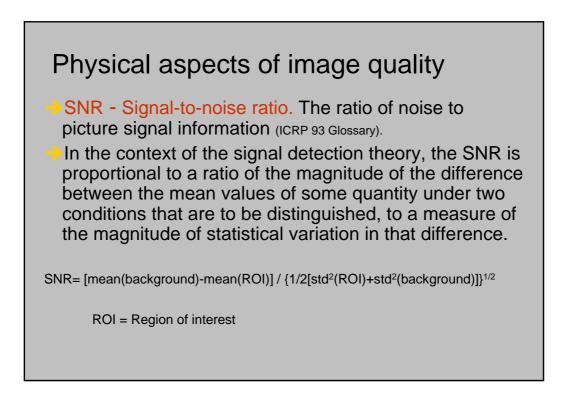


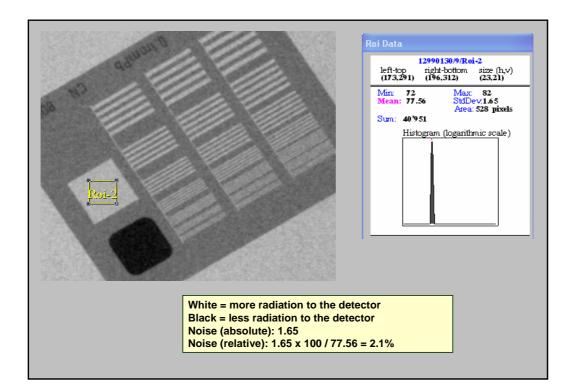


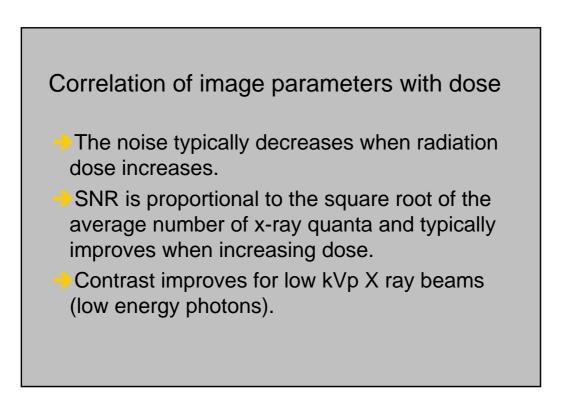


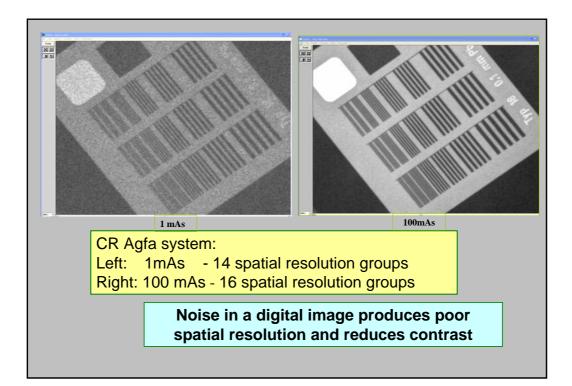


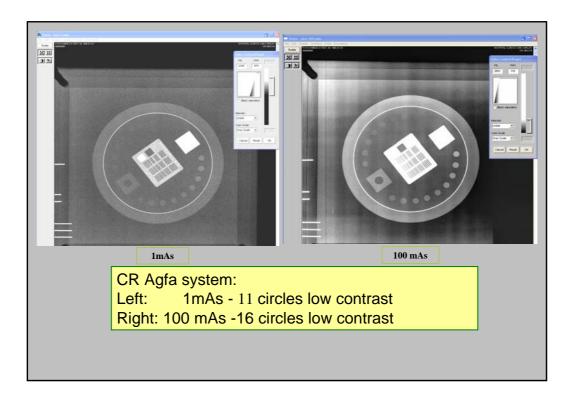


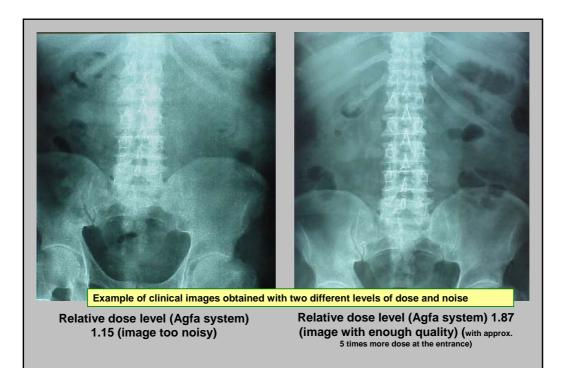














- The standard post-processing parameters offered in some CR workstations includes the noise reduction and the edge enhancement.
- Some examples are shown for the Agfa postprocessing called "MUSICA" (Multi Scale Image Contrast Enhancement). This is the basic principle of MUSICA:
 - contrast enhancement irrespective of feature size.
 - difference with respect to spatial frequency band filtering.

