New Products 2012

4-side closely buttable package for Low Noise 10k x 10k – CCD (111MPixel)

- for the assembly of larger image sensor mosaics
- 5mm separation between sensor elements possible

Spherical CCD-sensors

- Custom concave or convex, various radii of curvature
- Also cylindrical (1-dimensional spherical)
- e.g. 4k x 4k (16MPixel) spherical CCD (see figure)

InGaAs-Matrix Sensor FPA640x512-TE2

- Now with 2-stage thermoelectric cooler
- About 20 °C lower chip-temperature during operation: reduction to -40...-50 grd C
- Reduced pixel noise distribution and improved detectivity of $7.5 \times 10^{12}$ Jones ( = cm $\cdot \sqrt{\text{Hz}} / \text{W}$)