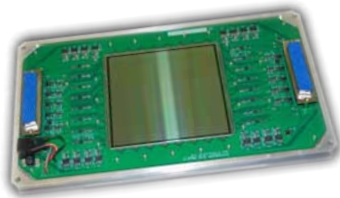


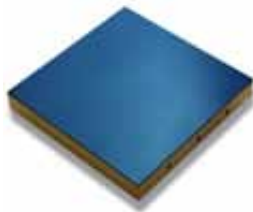
**X-ray-CCD3200A**



X-ray-CCD high resolution  
4k x 4k, 96 x 96 mm<sup>2</sup>  
20 μm X-ray resolution @ 20 keV  
X-ray-QE > 80 % @ 12 keV



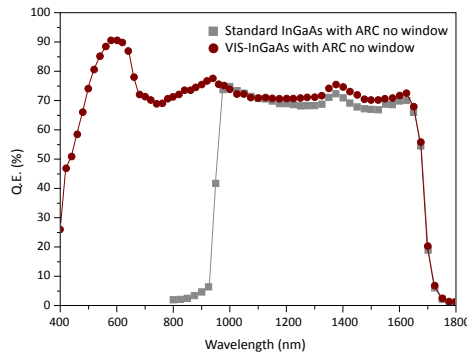
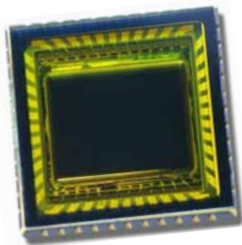
**Object preserving 4k x 4k Si-CCD sensor**



4k x 4k, Pixel 10 μm, deep depletion  
Highest object-preserving + image contrast by pixel-precise e<sup>-</sup>-concentration  
QE > 95 % broadband, RON < 5 e<sup>-</sup> @ 500 kHz  
4-side buttable or simple package



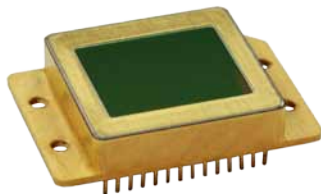
**VIS-InGaAs-matrix-sensor uncooled: FPA320x256-C-VIS**



0,5 μm to 1,7 μm InGaAs  
CLCC 44-Pin (ceramic)-package



**New compact package for InGaAs – matrix-sensors FPA640x512-KM + FPA320x256-KM**



About half of volume: 36 x 25 x 6 mm<sup>3</sup>  
For compact camera design, 28 Pins  
FPA640x512-KM - reduced weight: 16,3 g  
FPA320x256-KM - reduced weight: 15,9 g



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