

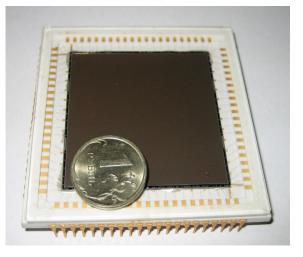
LARGE FORMAT CCD "QUADRO"

Experimental sample

CCD "Quadro" has four independent sections, bulk n-channel and 4096x4096 pixels.

Device photosensitive area includes four independent storage sections which could operate in pulse and continuous illumination modes. CCD has central symmetry, two output registers and four output units.

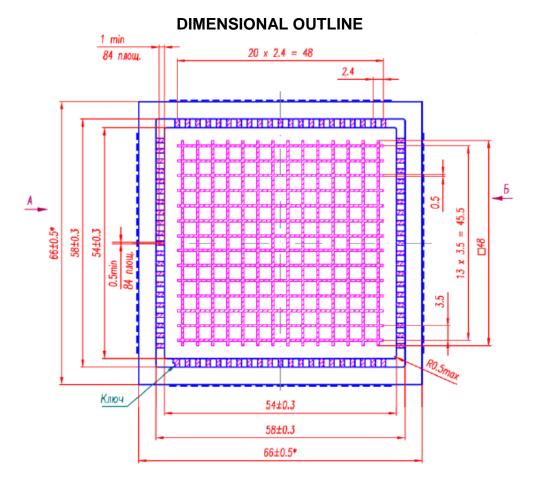
The device is intended for application in TV equipment in conditions of pulse and continuous illumination, image conversion and processing



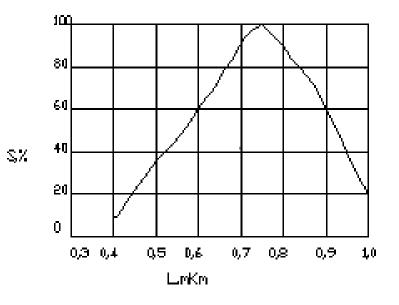
systems as well as measurement equipment. Register output frequency is 1÷40 MHz.

SPECIFICATIONS

Dimensions (with contacts), mm	66×66×10
Number of pixels	4096×4096
Photosensitive area size, mm	5,056×45,056
Pixel size, (H×V), mm	11×11
Saturation voltage, V	1.1
Spectral sensitivity (λ =670 nm), V/ μ m·J/cm ²	5
Mean dark signal, mV/s	30
Output signal mean square nonuniformity, %	2
Noise, ē	22
Dynamic range	8000
Modulation depth at space frequency of f _N /2 across horizontal	55
and vertical,%	
Transfer inefficiency	1·10 ⁻⁵
Number of contacts	84



SPECTRAL RESPONSE CHARACTERISTICS



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