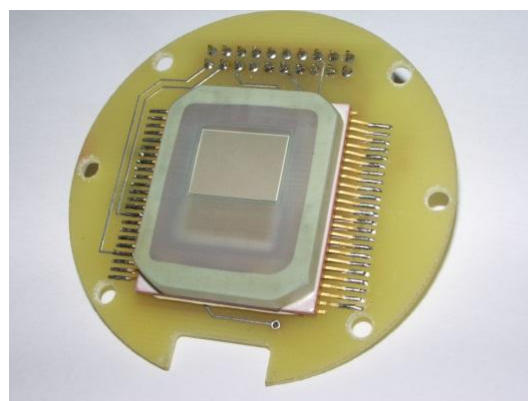


FRAME TRANSFER CCD "PROJECT"

Experimental sample

Frame transfer CCD "Project" has two sections, 3-phased arrangement in horizontal and vertical, 768x580 total number of pixels, floating diffusion and unit of dummy cutting off.

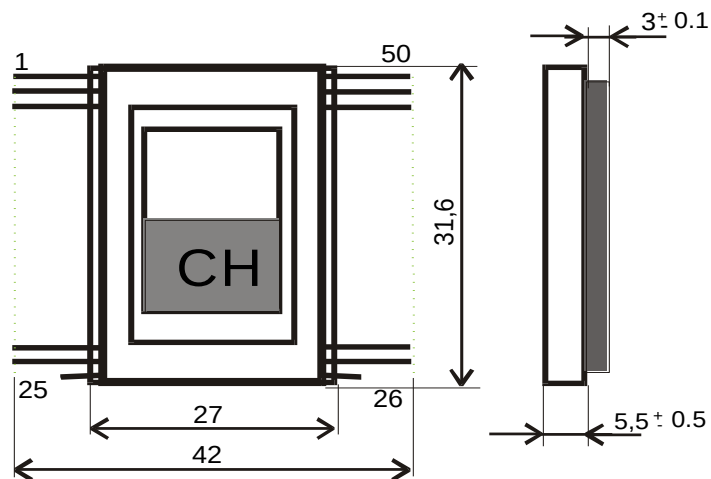
The device has fiber-optic input window. It can be applied in high sensitive TV equipment for direct optical connection to an image intensifier tube.



SPECIFICATIONS

Number of pixels	768×290
Photosensitive area size, mm	13.06×9.79
Pixel size, (HxV), μm	17×34
Saturation voltage, V	≥1.8
Responsivity, V/lx·s	≥20
Spectral sensitivity (λ=0.67μm), V·cm ² /μJ	≥5.0
Dynamic range	≥7000
Relative sensitivity mean square nonuniformity across the area, %	≤4.0
Dark signal voltage, mV	≤0.5U _{sat} ×10 ⁻³
Max. temperature range, °C	-60 ÷ +60

DIMENSIONAL OUTLINE



SPECTRAL RESPONSE CHARACTERISTICS

