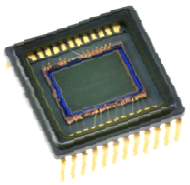
SHARP

RJ33J4CA0DT

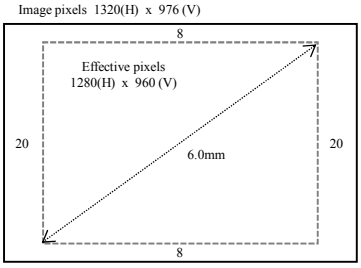
1/3-type B/W Progressive Scan CCD Area Sensor with 1.3M Pixels
High Speed and High Sensitivity including near-infrared light region (30frames/s @45MHz)



Description

The RJ33J4CA0DT is a 1/3-type(6.0mm) solid-state image sensor that consists of PN photo-diodes and CCDs(charge-coupled devices) with approximately 1.3M pixels.
The sensor provides a stable high-resolution B/W image and high sensitivity and high efficiency and high speed (30frames/s @45MHz).

ARRANGEMENT OF PIXELS



Applications

・Cameras
(Security cameras, Camcorders, Industrial monitor cameras, etc.)
・Pattern recognition

Features

・ Number of image pixels	1320H × 976V
・ Sensitivity	1430mV @F4 1000lx with a 90% reflector, 1/30s accumulation
・ NIR sensitivity	2.0 times compared with the RJ33J4BA0DT @ λ=900nm
・ Smear ratio	-120dB
・ Frame rate	30frames/s @45MHz
・ Color filter	B/W
・ Supply Voltages	+13.5V/+3.3V/-6.5V
・ Ambient operating temperature	-30 ºC to +85 ºC
・ Package	24pinDIP(plastic)
・ Reflow	RJ33J4CA0LT with reflowable package

System Configuration