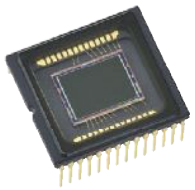
SHARP

RJ31N4AA0DT

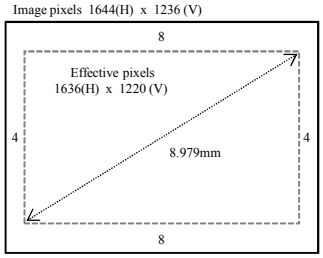
1/1.8-type B/W Progressive Scan CCD Area Sensor with 2M Pixels (1ch)
High Sensitivity and High Efficiency and High Speed (25frames/s @60MHz)



Description

The RJ31N4AA0DT is a 1/1.8-type(8.98mm) solid-state image sensor that consists of PN photo-diodes and CCDs(charge-coupled devices) with approximately 2M pixels.
The sensor provides a stable high-resolution B/W image and high sensitivity and high efficiency and high speed (25frames/s @60MHz).

ARRANGEMENT OF PIXELS



Applications

・Industrial monitor cameras
・Intelligent Transport System cameras
・Video capturing devices for PCs etc.

Features

・Number of image pixels	1644H × 1236V
・Sensitivity	1650mV @F4 1000lx with a 90% reflector, 1/30s accumulation
・Smear ratio	-120dB
・Frame rate	25frames/s @60MHz
・Signal Output	1ch
・Color filter	B/W
・Supply Voltages	+13.5V/+3.3V/-6.5V
・Ambient operating temperature	-30 ºC to +85 ºC
・Package	28pinDIP(plastic)

System Configuration