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).

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

Sharp reserves the right to change products and specifications without prior notice.
The circuit diagram and others included in this specifications are intended for use to explain typical application examples. Therefore, we take no responsibility for any problem as may occur due to the use of the
included circuit and for any problem with industrial proprietary rights or other rights.