RJ33J3CA0DT

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

Description

The RJ33J3CA0DT 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 color image and high speed (30frames/s @45MHz) and high sensitivity including near-infrared light region.

Applications

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

Features

• Number of image pixels 1320H × 976V
• Sensitivity 950mV @F4 1000lx with a 90% reflector, 1/30s accumulation
• NIR sensitivity 2.0 times compared with the RJ33J3BA0DT @ λ=900nm
• Smear ratio -120dB
• Frame rate 1.3M 30frames/s @45MHz, 720p 30frames/s @36MHz
• Color filter R/G/B
• Supply Voltages +13.5V/+3.3V/-6.5V
• Ambient operating temperature -30 ºC to +85 ºC
• Package 24pinDIP(plastic)
• Reflow RJ33J3CA0LT 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.