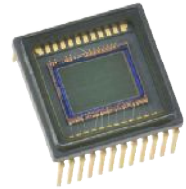


## RJ33J3CA0DT

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.

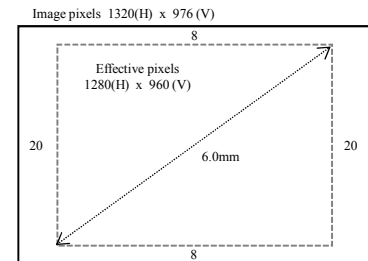
### Applications

- 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 °C to +85 °C  |
| • Package                       | 24pinDIP(plastic)   |
| • Reflow                        | RJ33J3CA0LT with reflowable package                       |

### ARRANGEMENT OF PIXELS



### System Configuration

