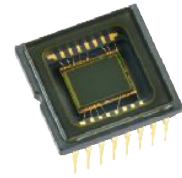


## RJ2341CA0PB

1/3-type Color Interlace CCD Area Sensor with 610k(960H) Pixels for PAL  
High Sensitivity including near-infrared light region



### Description

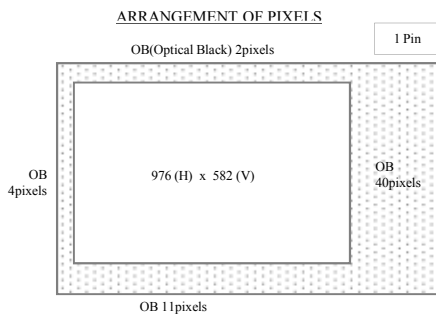
The RJ2341CA0PB is a 1/3-type(6.0mm) solid-state image sensor that consists of PN photo-diodes and CCDs(charge-coupled devices) with approximately 610Kpixels (horizontal 1020 × vertical 595). The sensor provides a stable high-resolution color image and high sensitivity including near-infrared region.

### Applications

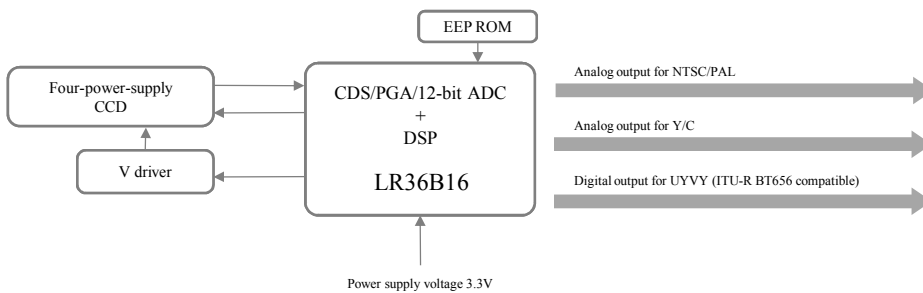
- Cameras  
(Security cameras, Camcorders, Industrial monitor cameras, etc.)
- Pattern recognition

### Features

- Number of image pixels 976H × 582V
- Sensitivity 2600mV @F4 1000lx with a 90% reflector
- NIR sensitivity 1.9 time compared with the RJ2341BA0PB @  $\lambda=900\text{nm}$
- Smear ratio -125dB
- Color filter Mg/G/Cy/Ye
- Supply Voltages +15V/+3.3V/-8V
- Ambient operating temperature -30 °C to +85 °C
- Package 16pinDIP(plastic)
- Reflow RJ2341CA0LT 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.