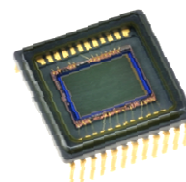




RJ33J4CA0DT

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).

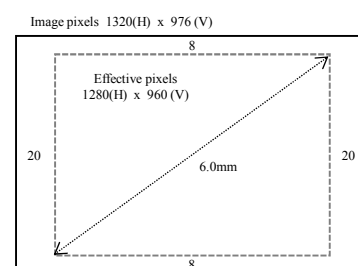
Applications

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

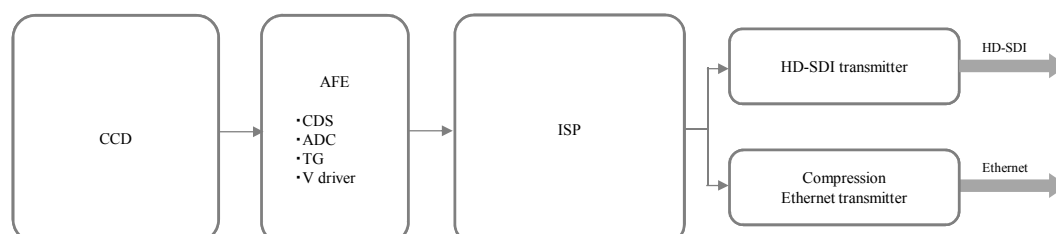
Features

- 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 @ $\lambda=900\text{nm}$
- Smear ratio -120dB
- Frame rate 30frames/s @45MHz
- Color filter B/W
- Supply Voltages +13.5V/+3.3V/-6.5V
- Ambient operating temperature -30 °C to +85 °C
- Package 24pinDIP(plastic)
- Reflow RJ33J4CA0LT with reflowable package

ARRANGEMENT OF PIXELS



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.