

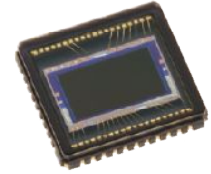
# SHARP

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## RJ33N3AD0LT

## iSHCCD II™ in iSHartina™

1/3-type Color Progressive Scan CCD Area Sensor with 2M Pixels (2ch)  
High Speed and High Sensitivity including near-infrared light region (50frames/s @65MHz)



### Description

The RJ33N3AD0LT is a 1/3-type(6.168mm) solid-state image sensor that consists of PN photo-diodes and CCDs(charge-coupled devices) with approximately 2M pixels.  
The sensor provides a stable high-resolution color image and high sensitivity and high efficiency and high speed (50frames/s @65MHz).

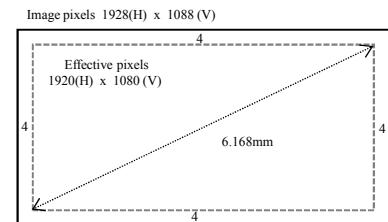
### Applications

- Industrial monitor cameras
- Intelligent Transport System cameras
- Video capturing devices for PCs etc.

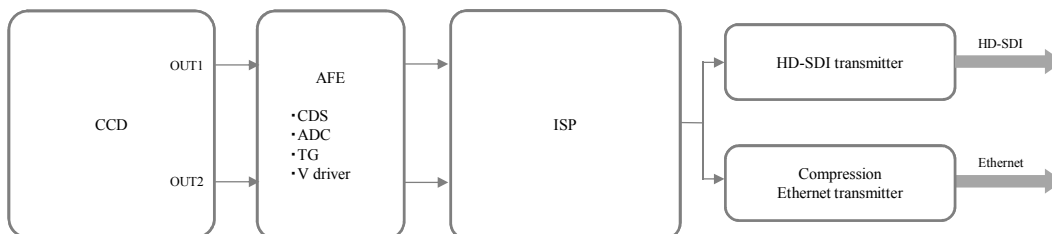
### Features

- Number of image pixels 1928H × 1088V
- Sensitivity 470mV @F4 1000lx with a 90% reflector, 1/30s accumulation
- Smear ratio -110dB
- Frame rate 50frames/s @65MHz
- Signal Output 2ch
- Color filter R/G/B
- Supply Voltages +13.5V/+3.3V/-6.5V
- Ambient operating temperature -30 °C to +85 °C
- Package 40pinLCC(ceramic)

### ARRANGEMENT OF PIXELS



### System Configuration



Sales: Shenzhen Sunnywale Inc, [www.sunnywale.com](http://www.sunnywale.com), [awin@sunnywale.com](mailto:awin@sunnywale.com), Wechat: 9308762

"iSHCCD II" and "iSHartina" are the trademarks of Sharp Corporation.  
The "iSHCCD II" is an advanced CCD image sensor that drastically improves light efficiency by including near-infrared light region as a basic structure of "iSHCCD".  
The "iSHartina" series is a key device group of Sharp which realizes a next-generation sensing world.

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.