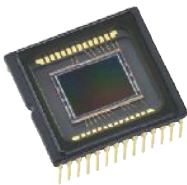




# RJ31N3AD0DT

1/1.8-type Color Progressive Scan CCD Area Sensor with 2M Pixels (2ch)  
High Sensitivity and High Efficiency and High Speed (50frames/s @65MHz)



## Description

The RJ31N3AD0DT is a 1/1.8-type(8.98mm) 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).

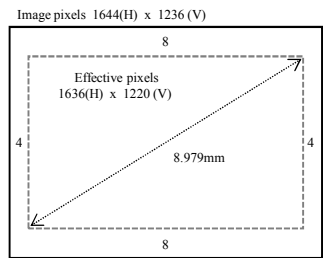
## Applications

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

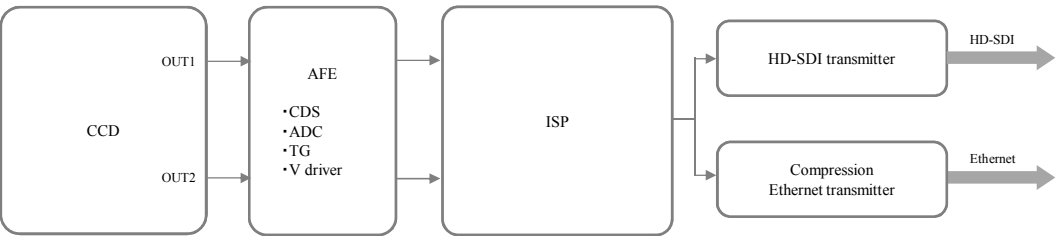
## Features

- |                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| • Number of image pixels        | 1644H × 1236V                                              |
| • Sensitivity                   | 1100mV @F4 1000lx with a 90% reflector, 1/30s accumulation |
| • Smear ratio                   | -120dB                                                     |
| • 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                       | 28pinDIP(plastic)                                          |

### 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.