

**RJ31N3EA0DT**

1/2-type Color Progressive Scan CCD Area Sensor with 2M Pixels (1ch)(16:9)
High Speed and High Sensitivity including near-infrared light region (25frames/s @60MHz)

**Description**

The RJ31N3EA0DT is a 1/2-type(8.04mm) 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 (25frames/s @60MHz).

**Applications**

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

**Features**

- Number of image pixels: 1928H × 1088V
- Sensitivity: 750mV @F4 1000lx with a 90% reflector, 1/30s accumulation
- Smear ratio: -115dB
- Frame rate: 25frames/s @60MHz
- Signal Output: 1ch
- Color filter: R/G/B
- Supply Voltages: +13.5V/+3.3V/-6.5V
- Ambient operating temperature: -30 ºC to +85 ºC
- Package: 28pinDIP(plastic)

**System Configuration**

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CCD
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<thead>
<tr>
<th>AFE</th>
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<tbody>
<tr>
<td>CDS</td>
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<td>ADC</td>
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<td>TG</td>
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<td>V driver</td>
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ISP

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<th>HD-SDI transmitter</th>
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Compression

Ethernet transmitter

Ethernet
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