**RJ31P3AD0DT**

1/1.8-type Color Progressive Scan CCD Area Sensor with 2.8M Pixels (2ch)
High Speed and High Sensitivity including near-infrared light region (30frames/s @60MHz)

**Description**

The RJ31P3AD0DT is a 1/1.8-type(8.918mm) solid-state image sensor that consists of PN photo-diodes and CCDs(charge-coupled devices) with approximately 2.8M pixels. The sensor provides a stable high-resolution color image and high sensitivity and high efficiency and high speed (30frames/s @60MHz).

**Applications**

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

**Features**

- Number of image pixels: 1940H × 1460V
- Sensitivity: 750mV @F4 1000lx with a 90% reflector, 1/30s accumulation
- Smear ratio: -115dB
- Frame rate: 30frames/s @60MHz
- Signal Output: 2ch
- 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**

- AFE
- CDS
- ADC
- TG
- V driver
- ISP
- HD-SDI transmitter
- Ethernet
- Compression Ethernet transmitter

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