

### RJ21T3AA0PT/ST

1/1.8-type CCD with 6 360 k pixels

### LZ9KA12

Timing generator

Under development

#### < Outline >

RJ21T3AA0PT/ST are 1/1.8-type high-sensitivity CCDs with 6 360k pixels, targeted for general-purpose-use digital still cameras. Adoption will enable small size and high performance for 3-field read-out and clear high-definition photography. LZ9KA12 is a timing generator for 6 360k/4 190k-pixel CCDs. By adoption of a thin 64VQFN package, mounting efficiency has been raised, which contributes to the miniaturization of applications.

#### < Main Specifications >

<RJ21T3AA0PT/ST>

- Optical size: 1/1.8-type
- Total number of pixels: 6 360 k pixels  
(2 934(H) x 2 167(H))
- Image pixels: 6 200k pixels  
(2 872 (H) x 2 160 (V))
- Square pixel
- Pixel size: 2.5  $\mu\text{m}$  x 2.5  $\mu\text{m}$
- Transfer method: Interline scan format
- Still image read: 3-field read
- Sensitivity: 110 mV
- Saturation output voltage: 600 mV (TYP.)
- Smear ratio: -90 dB (TYP.)
- Operating temperature range: -20 to +70°C
- Power supply voltage: -8.0 V, 3.3 V, 15.5 V

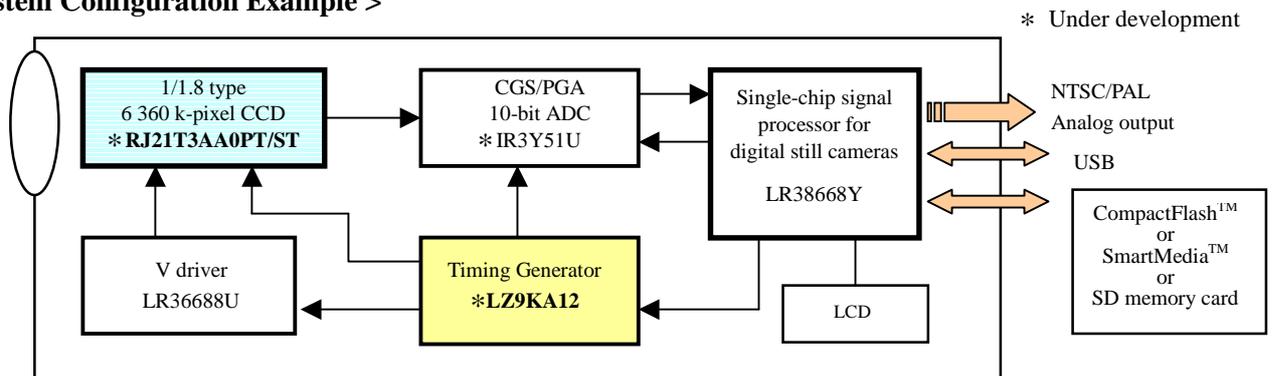
- Package

- RJ21T3AA0PT: 20DIP (P-DIP020-0500)
- RJ21T3AA0ST: 20SOP (P-SOP020-0525)

<LZ9KA12>

- Compatible CCD: 6 360k/4 190k-pixel
- Monitoring image: 25 frames/sec
- Still image: 2.7 frames/sec
- Power supply voltage: 3.3 to 3.6 V
- Power consumption: 380 mW
- Internal operating frequency: 49 MHz
- Operating temperature range: -20 to +70°C
- Package: 64VQFN (P-VQFN064-0808)

#### < System Configuration Example >



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