

# Digital Camera System Solution

Jan. 31, 2012

## Input/Output (Including UI, Sensors)

For human body  
(proximity of face) detection

### ■ Proximity sensor

- Detecting distance: TYP. 65 mm
- Countermeasure against external disturbing light (inverter fluorescent light, etc.)



For color image input

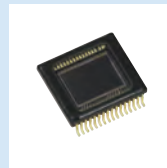
«VGA at 30 fps»

- 1/2.3-type 10.55-Mpixel CCD
- 1/2.3-type 12.53-Mpixel CCD

«720p at 30 fps»

- 1/2.3-type 10.55-Mpixel CCD
- 1/2.3-type 12.53-Mpixel CCD
- 1/2.3-type 14.58-Mpixel CCD
- 1/2.3-type 16.59-Mpixel CCD

- Industry's highest level of sensitivity and industry's lowest level of smear ratio
- Industry's smallest number range of peripheral devices



For wireless LAN

- Wireless LAN/Bluetooth combo module
- 2.4 GHz band power amplifier



## Mechanical Structure

For mechanical position detection  
and rotation detection

### ■ Compact transmissive-type photointerrupter

- Compact, transmissive type
- Lineup of both board-insertion and surface-mount types



For part mounting  
and circuit connection

### ■ Advanced Flex (ADF) printed circuit board «customizable»

ADF: Advanced Flex printed circuit board

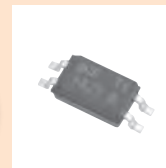


## Power Supply

For insulation of and transfer between high-  
and low-voltage sides of power supply

### ■ Photocoupler compliant with safety standards

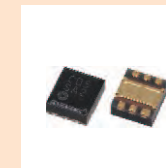
Safety standard approved / compliant



For LCD backlight

### ■ CMOS stepup regulator for white LED drive

- Enables driving of up to 9 LEDs in series
- High withstand voltage (37 V)



## Display

For LCD backlight

### ■ High-luminosity white surface-mount LED

- Thin, high luminosity
- High rendering color products are also available



For indicator

### ■ Compact LED

- Compact, thin, single-color



For flashlight

### ■ LED driver

- Current for LED driving: MAX. 1.5 A
- High Switching Frequency (6 MHz)



For image display

### ■ LCD module

- For further information, please contact one of our sales representatives.