

Timing Controller IC with Built-in CCD Driver

CXD2480R

Description

The CXD2480R is a timing controller IC for CCD digital camera. Adopting high voltage CMOS process CCD vertical clock driver and substrate voltage generator are built in, and single chip drive system for CCD image sensor is realized.

Features

- Supports NTSC/PAL systems
- Generation of timing pulse for driving 360H/510H/720H/760H system CCD image sensors
- CCD vertical clock driver and horizontal clock driver are built in
- CCD substrate voltage (V_{sub}) generator is built in
- High-speed shutter function for electronic iris control (shutter speed range: 1/60 to 1/100,000s)
- Low-speed shutter function

Applications

CCD cameras (surveillance cameras, etc.)

Recommended Operating Conditions

| | | | |
|-------------------------|-----------|----------------|----|
| ● Supply voltage | V_{DD} | 3.0 to 3.6 | V |
| | AV_{DD} | 4.75 to 5.25 | V |
| | V_M | 0 | V |
| | V_H | 14.55 to 15.45 | V |
| | V_L | -9.0 to -8.0 | V |
| ● Operating temperature | T_{opr} | -20 to +75 | °C |

Pin Configuration

(48-pin LQFP)

