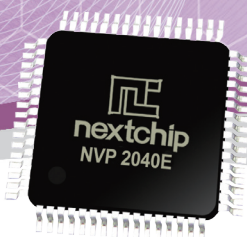
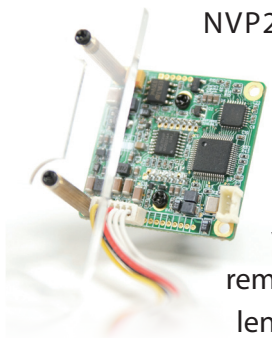


High-Band CCD Image Signal Processor NVP2040E



CAMERA ISP



NVP2040E is an image signal processor(ISP) which outputs CVBS or S-Video data format after receiving color filter array(CFA) patterns from color-interlaced CCD sensor(510H/760H). It is processed through an internal encoder and DAC. For providing high color reproduction, NVP2040E has basic but significant function such as AE(Auto Exposure) and AWB(Auto White Balance). It also provides OSD with various kinds of languages without extra MCU and supports RS-485 communication for remote control, parking line guide and horizontal mirror for rear-view camera application, lens shading correction and motion detection for users' convenience. Above all, 650TVL resolution of NVP2040E will provide you clear picture to scan every detail.

Features

- Horizontal resolution 650TVL
- De-moire
- D-WDR
- Smart IR, 2D-NR
- Motion detection (48×15)
- Dead pixel correction
- High light compensation
- Lens shading correction
- Parking line guide display
- Privacy mask (8 zones)
- OSD : English/Chinese/Spanish/
Russian
- RS-485 (Pelco-D/P, Nextchip)
- Coaxial Comm. (Pelco-C)



Specifications

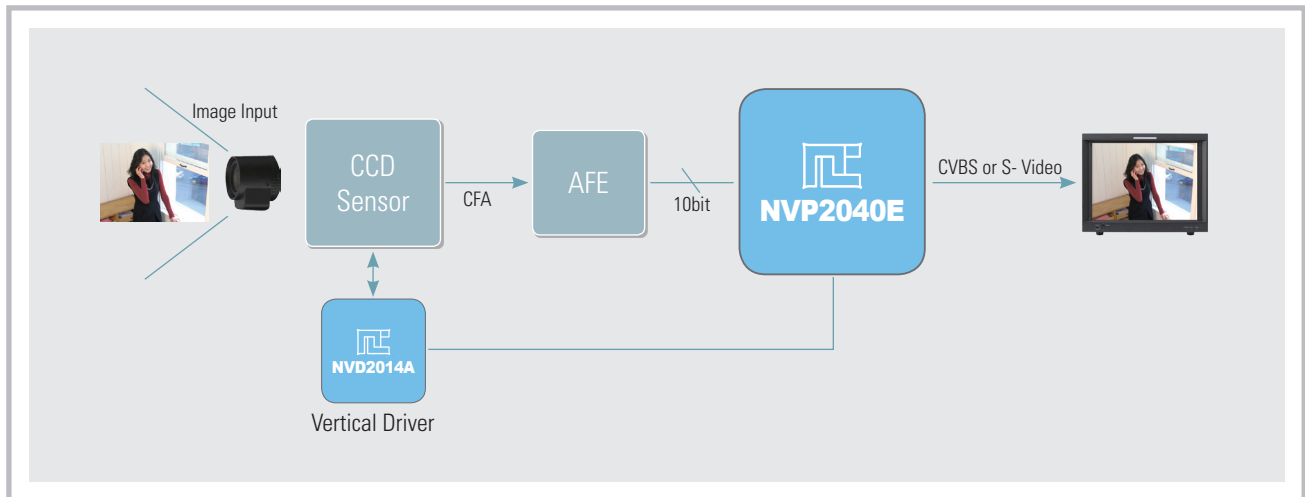
In&Out I/F	<ul style="list-style-type: none"> • Input : NTSC/PAL, 510H/760H CMY color CCD • Output : NTSC/PAL analog S-Video or CVBS
Image Process	<ul style="list-style-type: none"> • Programmable AE/AWB/GAMMA • Support above 650TVL • Dead pixel correction 255 points(auto) • On-chip 1-Ch ADC(2-Ch MUX) • On-chip CCD timing generator
Etc	<ul style="list-style-type: none"> • Operating voltage : 5.0V/3.3V(LDO included) • Package : 64-TQFP(7mm×7mm 0.4p)

Applications

- 510H/760H analog camera (box, dome, module, etc.)
- 650TVL high-end analog camera

Application Diagram

● Analog Camera Application



- Experience the excellent image quality with 650TVL of NVP2040E.

● NVP2040E Main Features

650TVL

2D-NR

Highlight Compensation

Lens Shading Compensation

- With a variety of cutting edge technologies, NVP2040E makes your system more competitive analog camera application.