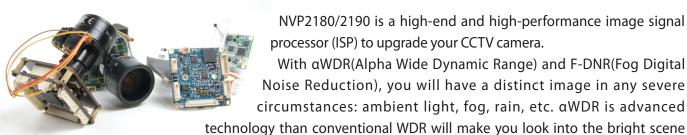
High-performance CCD Image Signal Processor NVP2180/2190





NVP2180/2190 is a high-end and high-performance image signal processor (ISP) to upgrade your CCTV camera.

With aWDR(Alpha Wide Dynamic Range) and F-DNR(Fog Digital Noise Reduction), you will have a distinct image in any severe circumstances: ambient light, fog, rain, etc. αWDR is advanced

as well the dark scene at the same time. This enhanced image can be also improved by using combination of D-WDR and 3D-NR. In addition, new special features include DIS (Digital Image Stabilizer), PIP (picture in picture), Polygon privacy mask zone, which bring with effective higher performances. More features such as sens-up, smart digital zoom, motion detection, and user define OSD, etc. will help you to have better images you need.

Features

- α Wide Dynamic Range (αWDR)
- F-DNR (Defog)
- Semi Autofocus (AF)
- Digital Image Stabilizer (DIS)
- Smart-NR (3D-NR+Motion detection)
- D-WDR
- Low shutter(up to x 256)
- Dead pixel correction
- Motion detection (4 areas)
- Polygon privacy mask (8 zones)
- Smart IR / Smart D-Zoom
- Line-lock external synchronization
- PIP / User defined OSD
- On-Chip SDRAM & MCU & Flash memory



















Specifications

In&Out

- Input: NTSC/PAL, Normal / Double Density 760H/960H CMYG color CCD
- Output: NTSC/PAL analog S-Video or CVBS BT.656 digital out

Process

- Programmable AE/AWB/GAMMA
- Support 650TVL / 700TVL
- Dead pixel correction 512 points (auto / manual)
- On-Chip 1-Ch ADC (4x1 MUX)
- On-Chip CCD timing generator

Etc

- Operation voltage: 3.3V/1.8V/1.2V
- Package: 144-FBGA (10mm×10mm 0.8p)

Applications

- αWDR high-end analog camera
- 760H / 960H analog camera (box, dome, module, etc.)

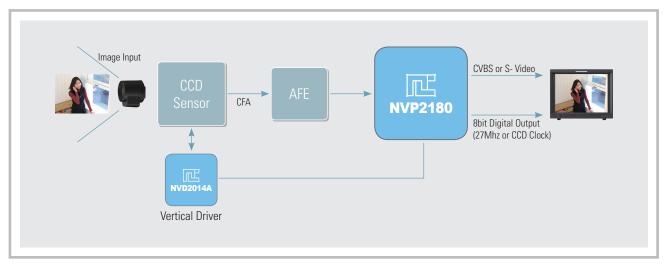






Application Diagram

Analog Camera Application



■ Find a blue ocean with NVP2180/2190. With the same image sensor you can excel your competitors. Embedded MCU, SDRAM and flash memory will enhance the full of new features in your system more cost-effective.

NVP2180/2190 Main Features

