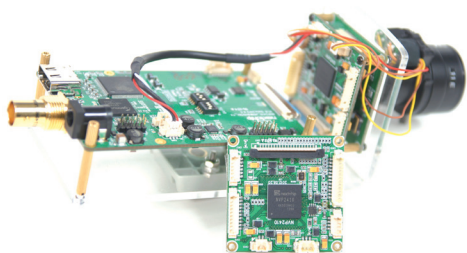
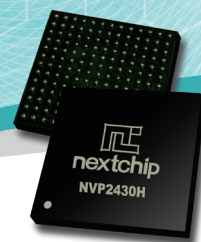


Megapixel CMOS ISP NVP2430H/2431H



The brand new megapixel CMOS ISP, NVP2430H/NVP2431H has state-of-the-art technology to give the best image quality ever. Especially it is designed to meet the demands of new trend in CCTV market, both Analog HD Camera and cost-effective HD-SDI applications. The main concept of NVP2430H is supporting 1.3M CMOS sensor and output I/F as analog 1280H(CVBS/COMET), AHD 1.0(720p) and HD-SDI 720p. NVP2431H is supporting 1.3M CMOS sensor and output I/F as analog 1280H(CVBS/COMET) and AHD 1.0 (720p)

Features

- 1.3M CMOS sensor support
- Programmable AE/AWB/AF detection
- 3D-NR(Noise Reduction) for NVP2430H
- 3D-NR(Noise Reduction) for AHD 1.0 output for NVP2431H
- Defog
- Dead pixel compensation (live/static)
- DWDR
- Low shutter
- User defined OSD
- On chip MCU & SDRAM



Specifications

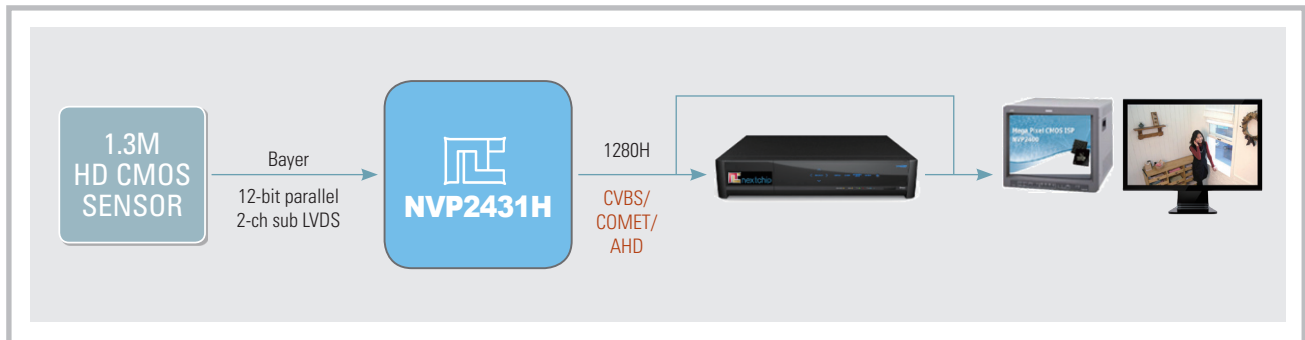
	NVP2430H	NVP2431H
Resolution	• 1280×1024(1.3M)	• 1280×1024(1.3M)
Input I/F	• 12bit parallel bayer 4-CH sub-LVDS	• 12bit parallel bayer 2-CH sub-LVDS
Digital Output I/F	• BT.656-like, YC16 with HV sync • 16bits parallel (SMPTE 296M) • 720p(30/60fps), 1280×1024p60 (Max)	-
Analog Output I/F	• 1280H for CVBS and COMET, AHD 1.0(720p)	
Etc	• 100-BGA (8mm×8mm 0.65p)	• 76-QFN (9mm×9mm 0.4p)

Applications

- HDCCTV(HD-SDI camera)
- Analog HD Camera

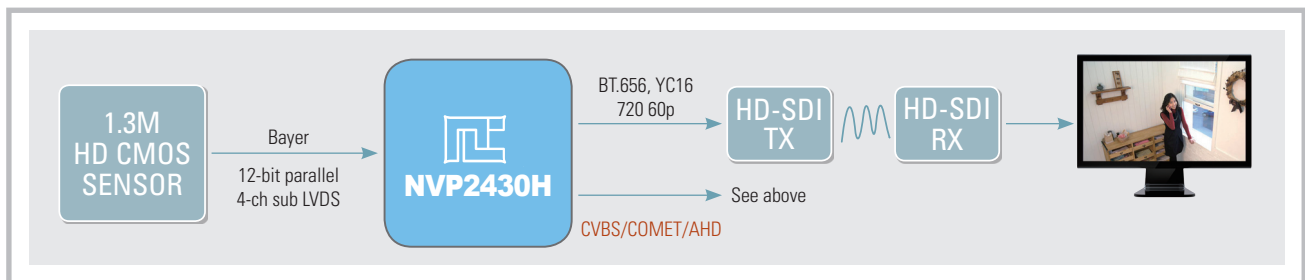
Application Diagram

● Analog Camera Application (CVBS/COMET/AHD)



- Optimized and customized solution for Analog Megapixel Application, new trend of CCTV market.

● HD-SDI and Analog Camera Application (CVBS/COMET/AHD)



- Provide a various line-up using NVP2430H/NVP2431H, one platform, making easier in development condition.
- Cost-effective version of HD-SDI camera can be designed with NVP2430H/NVP2431H.

● NVP2430H/2431H Major Features

