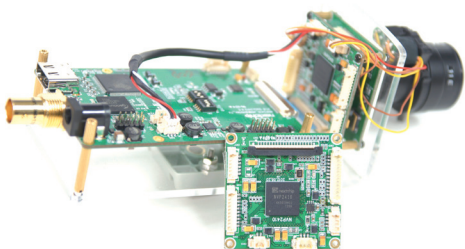
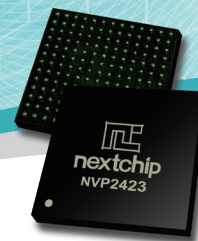


Megapixel CMOS ISP NVP2423



The brand new megapixel CMOS ISP, NVP2423 has state-of-the-art technology to give the best image quality ever. It is designed for HD surveillance cameras like HD-SDI(HDCCTV) and Analog HD camera. It can support to 1.3M CMOS sensor input and output I/F as digital(720p) and analog 960H(CVBS). It receives 4 channel sub-LVDS CMOS sensor inputs. NVP2423 includes groundbreaking functions, for example, N-WDR(Natural Wide Dynamic Range) and powerful motion-adaptive 2D/3D NR. In addition, it offers various customized security camera functions such as Day & Night, FRC, Flicker Detection, HLC/BLC, Privacy Polygon Masking, Motion Detection, IRIS control I/F, OSD, enhanced DEFOG and so on.

Features

- HD CMOS sensor support
- Natural-WDR
- 3D-NR(Noise Reduction)
- Enhanced Defog
- Low shutter
- Dead pixel compensation(live/static)
- User defined OSD
- Programmable AE/AWB /AF



Specifications

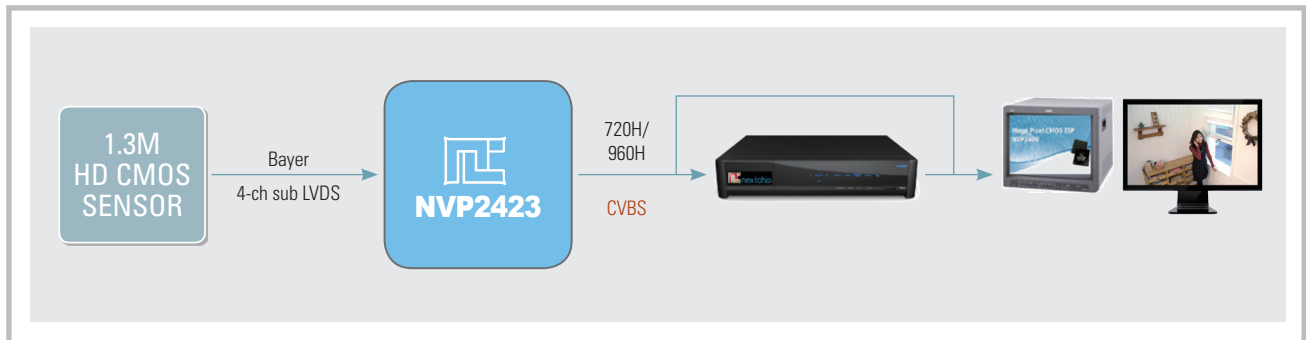
Input I/F	<ul style="list-style-type: none">• 1.3M pixel CMOS sensor bayer input• 4-channel Sub-LVDS IF @ 1.3M Pixel
Output I/F	<ul style="list-style-type: none">• BT.656-like, YC16 with HV sync• 20 bits parallel (SMPTE 296M)• 720p (30/60fps)• 1280×1024 (60fps)• Composite video (720H, 960H)
Miscellaneous	<ul style="list-style-type: none">• 1.2V/1.8V/3.3V• Package (144-FBGA 10mm×10mm 0.8p)

Applications

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

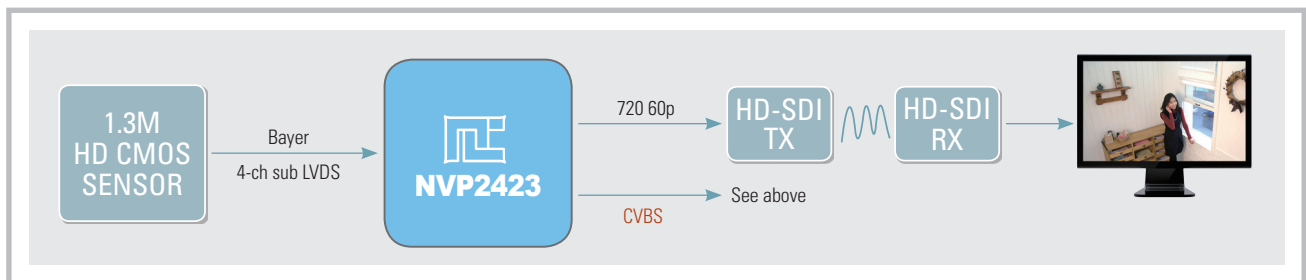
Application Diagram

● Analog Megapixel Application (960H CVBS)



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

● Cost-effective ver. (HD-SDI App and Analog Megapixel App by one platform)



- Provide a various line-up using NVP2423, one platform, making easier in development condition.
- Cost-effective version of HD-SDI camera can be designed with NVP2423.

● NVP2423 Major Features

