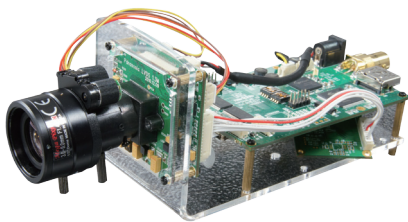
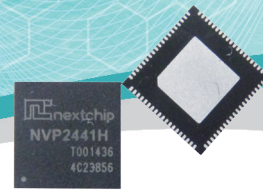


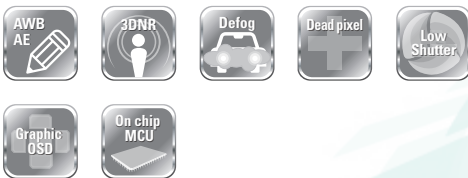
# Megapixel CMOS ISP, NVP2440H/2441H



The brand new megapixel CMOS ISP, EAGLET2 Series (NVP2440H/2441H) has state-of-the-art technology to give the finest image quality. Especially it is designed to meet the demands of new trends in CCTV market, both Analog FHD Camera and cost-effective HD-SDI applications. EAGLET2 series is supporting 2.0M CMOS sensor and output I/F as digital(1080p) and analog AHD2.0/CVBS/COMET.

## Features

- 2.0M COMS sensor support
- Programmable AE/AWB/AF detection
- 3D-NR(Noise Reduction) for NVP2440H
- Defog
- Dead pixel compensation (live/static)
- DWDR
- Low shutter
- User defined OSD
- On-chip MCU & SDRAM



## Specifications

	NVP2440H	NVP2441H
Resolution	• 1920×1080(2.0M)	• 1920×1080(2.0M)
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 (BT.1120) • 1080p(30fps)	
Analog Output I/F	• AHD2.0, CVBS and COMET	• AHD2.0, CVBS and COMET
Etc	• 100-BGA (8mm×8mm 0.65p)	• 76-QFN (9mm×9mm 0.4p)

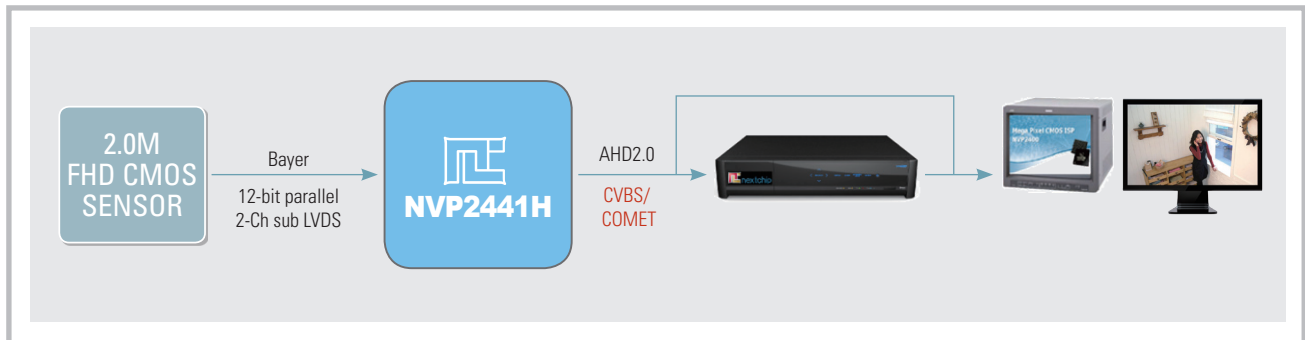
CMOS ISP

## Applications

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

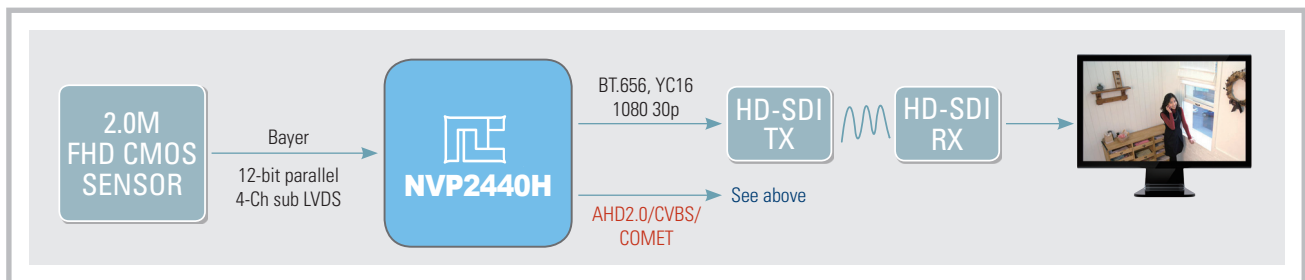
# Application Diagram

## ● Analog Megapixel Application (AHD2.0/CVBS/COMET)



- Optimized and customized solution for analog megapixel application, new trend of CCTV market.

## ● Cost-effective version for HD-SDI & Analog Megapixel Applications in one platform



- Provide a various line-up using NVP2440H, you can develop your system more efficiently in one platform.
- Cost-effective version of HD-SDI camera can be designed with NVP2440H.

## ● NVP2440H/2441H Major Features

