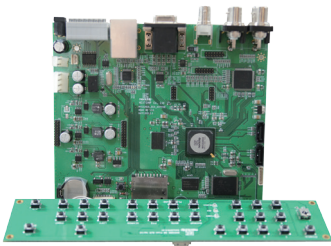
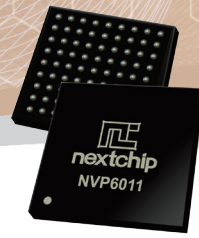


HD-AHD 1.0 Video Encoder NVP6011



NVP6011 is high speed, digital-to-analog video encoder in a 40-eQFN package 3.3 V, video DAC provides support for composite HD-AHD1.0 analog outputs in high definition (HD) video formats. NVP6011 has a 16-bit video input port that can be configured in a variety of ways. Video input data can be supplied in the YCrCb 4:2:2 color space. NVP6011 also supports embedded EAV/SAV timing codes, and I2C communication protocol.

@ AHD1.0 Technology

AHD1.0 is a video transmission technology in high definition via coaxial cable.

AHD1.0 offer specifications - 720p(1280x720); which are compatible with the industrial standard 720p.

● Features

- 1-ch Video Encoder
- On-chip test pattern generation
 - Color bar, Check, Multi-burst
- Programmable features
 - Luma and Chroma filter response
 - Subcarrier frequency (fsc) and phase
- Various input I/F
 - 16 bit@74.25MHz
 - 16 bit@37.125Mhz
 - 8 bit@74.25MHz
- Compact package
- Low power consumption
- AHD transmission technology

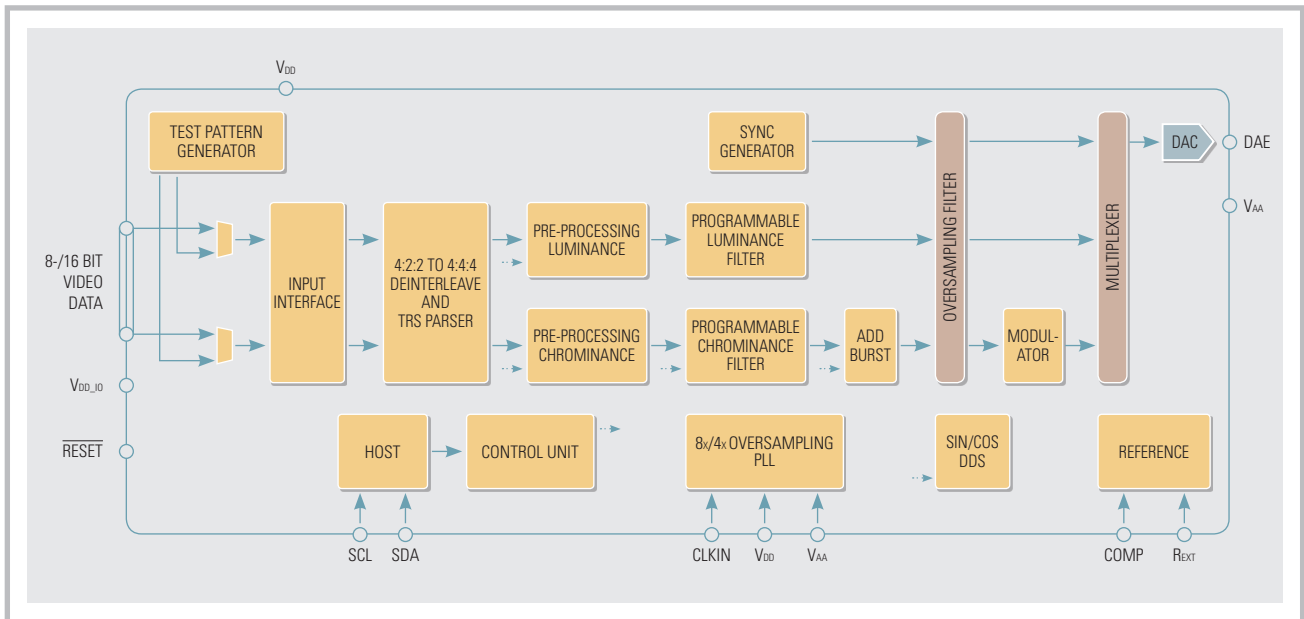


● Specifications

Input I/F	• Video : 1-Ch BT.656 Equivalent(16-bit/8-bit)
Output I/F	• Video : HD-AHD 1.0 (720@25/30fps)
Etc	• I2C interface • Operation voltage : 3.3V , 1.2V • Package(40-eQFN, 5mm×5mm 0.4p)

Application Diagram

NVP6011 Block Diagram



NVP6011 Application

