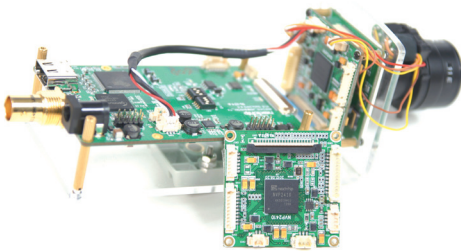
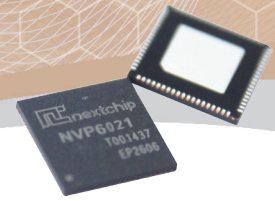


HD-AHD 2.0 Video Encoder NVP6021



NVP6021 is high speed and digital-to-analog video encoder in a 40-eQFN package(3.3 V) video DAC supports for composite AHD2.0 analog outputs in high definition(HD) video formats. NVP6021 has 16-bit video input port that can be applied in various security applications. Video input data can be supplied in the YCrCb 4:2:2 color space. NVP6021 also supports embedded EAV/SAV timing codes and I2C communication protocol.

@ AHD2.0 Technology

AHD2.0 is a video transmission technology in high definition via coaxial cable.

AHD2.0 offer specifications – up to 1080p(1920 × 1080); which are compatible with the industrial standard 1080p.

● 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



● Specifications

Input I/F	• Video : 1-Ch, BT.656 (8bits), BT.1120 (16bits)
Output I/F	• Video : AHD 1.0 (720@25/30fps) AHD 2.0 (720@50/60fps, 1080@25/30fps)
Etc	• I2C interface • Operation voltage : 3.3V , 1.2V • Package (40-eQFN, 5mm×5mm 0.4p) • Support NVP6011 P2P

