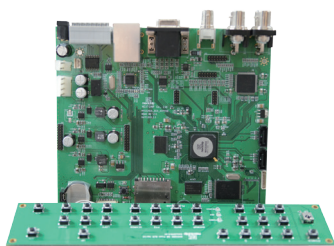
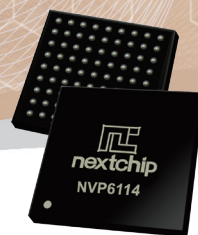


4-CH AHD1.0 RX and 9-CH Audio Codec NVP6114



NVP6114 includes 4-Channel AHD1.0 RX and 9-Channel Audio Codec. 4-Channel AHD1.0 RX delivers high quality images. It accepts separate 4 CVBS/COMET/AHD1.0 inputs from Camera and the other video signal sources. It digitizes and decodes NTSC/PAL/COMET/AHD1.0 video signal into digital video signal which represents 8-bit BT.656/BT.656like 4:2:2 byte interleave format with 27/36/54/72/108/144MHz multiplexed. Especially, It is able to use same transmission cable with conventional one for COMET(SD level) and AHD 1.0

(HD level), and they provide the superior image quality by minimizing the interference when separating Y and C. 9-Channel Audio Codec is 8-Channel Voice/1-Channel Mic PCM Codec which handles voice band signals(300Hz~3400Hz) with 8bit/16bit linear PCM, 8bit G.711(u-law, a-law) PCM. Built-in audio controller can generate digital outputs for recording/mixing and accepts digital input for playback. 4-Channel Coaxial Communication Protocol communicates between controller(DVR) and camera on the video signal through coaxial cable. COMET is Composite Video of Enhanced Technology in SD video by NEXTCHIP. AHD is a video transmission technology in HD video by NEXTCHIP.

Features

- 4-Ch AHD1.0 RX which accepts 4-CVBS / COMET/AHD1.0
- On Chip Analog CLAMP/PGA and Anti-aliasing Filter
- Accepts NTSC-M/J/4.43, PAL-B/D/G/H /I/K/L/M/N/60, COMET, 720P @25p/30p
- Robust Sync detection for weak, non-standard signals
- High-performance adaptive comb filter and Notch Filter
- On-Chip 9-Ch PCM audio codec
- Cascade mode up to 16-Ch
- Motion detection (32×24)
- Compact package
- Low power consumption
- Coaxial Protocol
- Auto Detection for CVBS & COMET

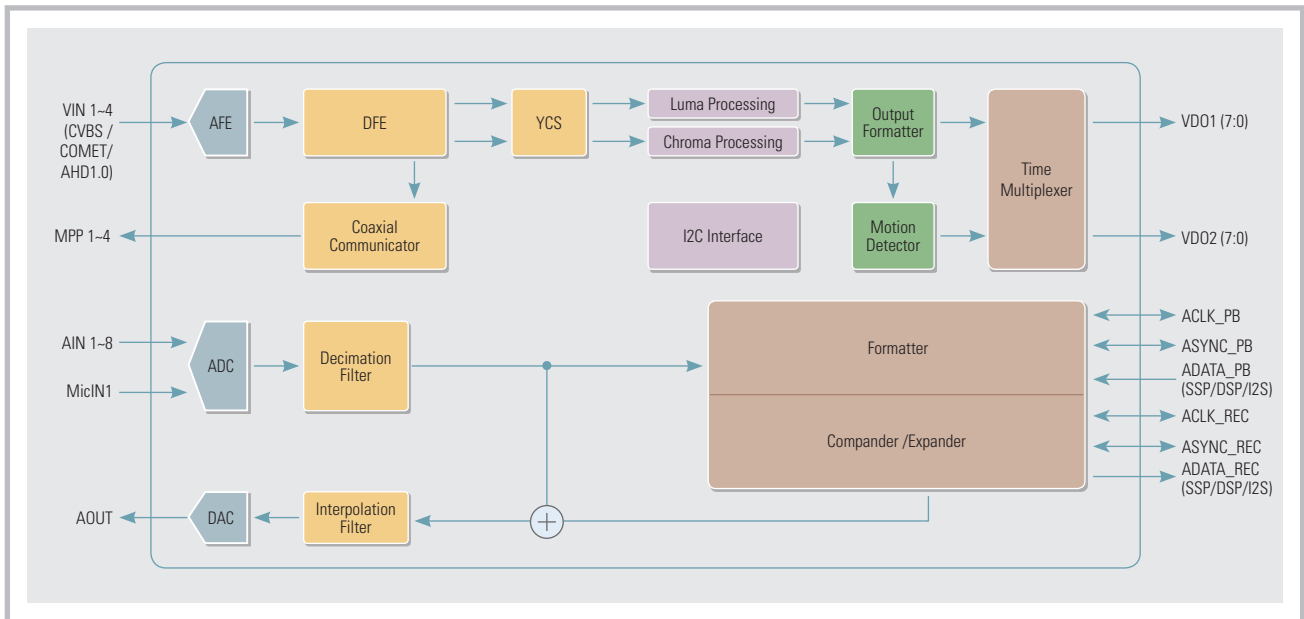
Specifications

Input I/F	<ul style="list-style-type: none"> • Video : 4Ch Analog CVBS/COMET/AHD1.0 • Audio : 9Ch Analog audio (1-Ch for Mic) 1Ch Digital audio (for PB)
Output I/F	<ul style="list-style-type: none"> • Video : 2-ports Digital 8bit ITU-R BT.656 / BT.656 like 4:2:2 Format (27M/36M/54M/72M/108M/144M) • Audio : 1Ch Analog audio (live/mix/PB) 2Ch Digital audio (record/MIC) I2S/SSP/DSP interface (master/slave)
Etc	<ul style="list-style-type: none"> • Motion detection (32×24 resolution) • Support Coaxial Protocol for CVBS/COMET • I2C interface • Operation voltage : 3.3V , 1.2V • Package(76-eQFN, 9mm×9mm 0.4p)

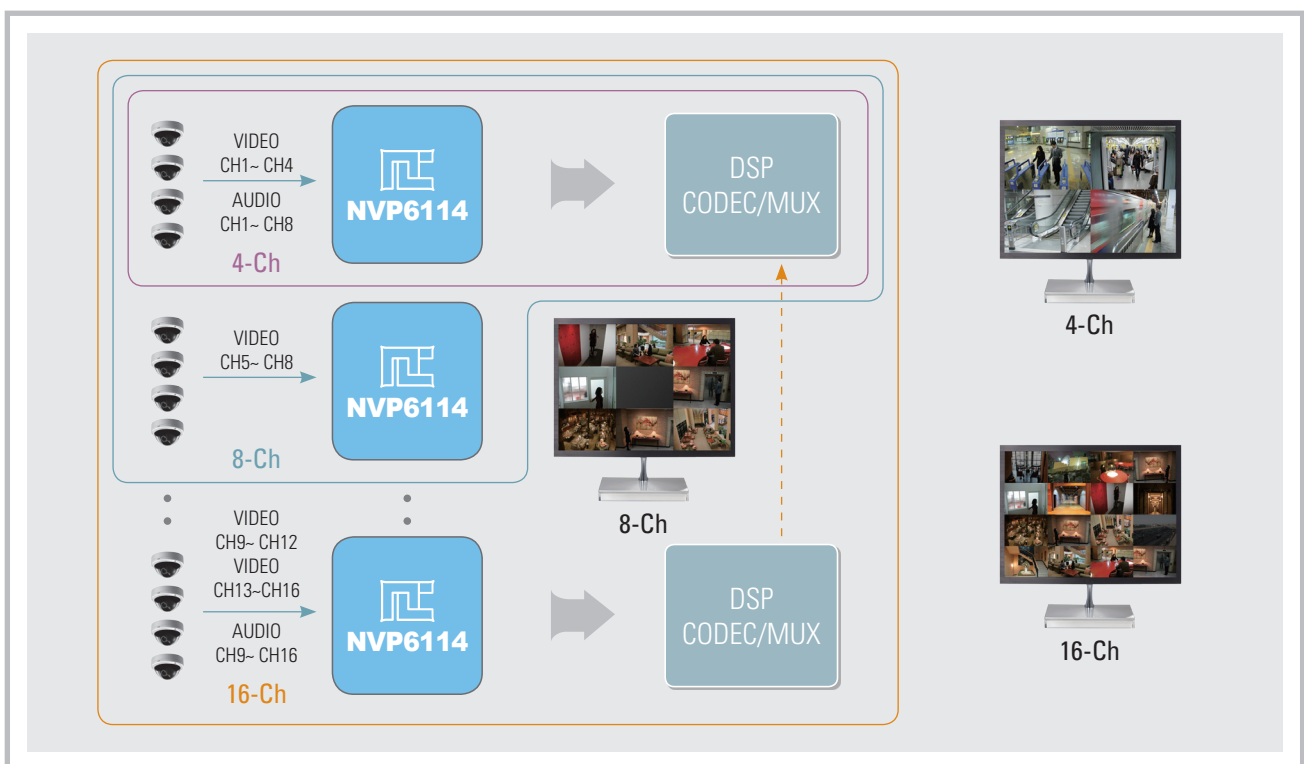


Application Diagram

NVP6114 Block Diagram



NVP6114 Application 4-CH / 8-CH / 16-CH



- The compact size NVP6114 will minimize your DVR system size which will eventually meet the customers' needs