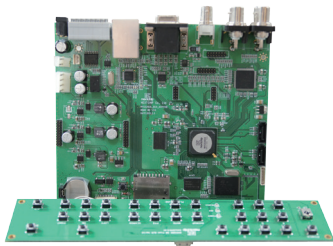
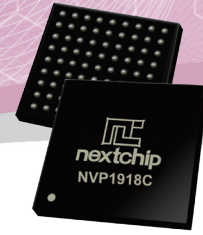


8-Ch 960H Video Decoder with 9-Ch PCM Audio Codec NVP1918C



NVP1918C includes 8-Ch 960H video decoder and 9-Ch audio codec, which guarantees high quality images. It accepts separate 8 CVBS inputs from camera, TV, DVD and the other video signal sources. It digitizes and decodes NTSC/PAL/COMET video signal into digital video signal which represents 8-bit ITU-R BT.656/1302 4:2:2 format with 27/36/54/72/108/144MHz multiplexed. Each video output can be selected between 720H and 960H. 9-Ch audio codec is 8-Ch PCM audio/1-Ch PCM mic codec which handles voice band signals with 8bit/16bit linear PCM, 8bit G.711(μ -law, A-law) PCM. Built-in audio controller generates digital outputs for recording/mixing and accepts digital input for playback. In addition, It supports Coaxial Protocol up to 5C-2V(Coaxial Cable) 200m. COMET is Composite Video of Enhanced Technology in SD video by NEXTCHIP.

Features

- 8-Ch 960H video decoder
- 3H/5H, 2D-Adaptive Comb Filter and Notch Filter
- White Peak Detection and Peak AGC
- On-Chip 9-Ch PCM audio codec
- Mute Detection and Noise Cancelation
- Various output I/F
(27/36/54/72/108/144MHz)
- Cascade mode up to 16-Ch
- Motion detection (32×24)
- Compact package
- Low power consumption
- Coaxial Protocol
- Auto Detection for CVBS & COMET

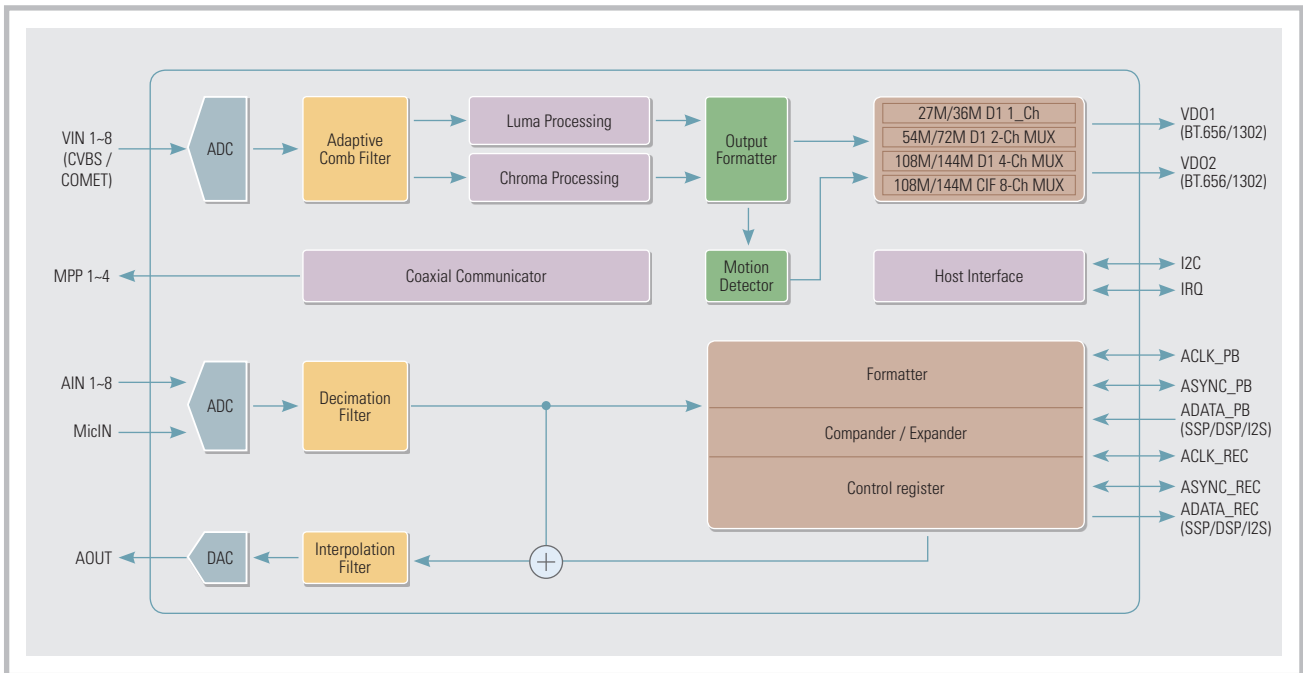


Specifications

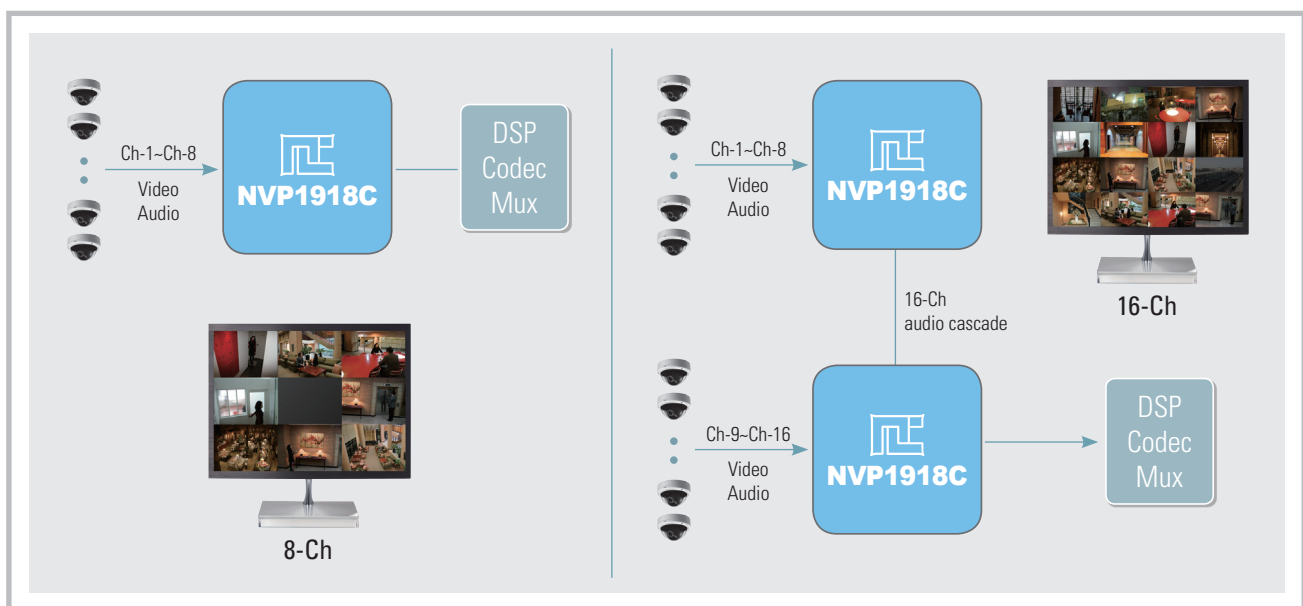
Input I/F	<ul style="list-style-type: none"> • Video : 8Ch Analog CVBS(NTSC/PAL/COMET) • Audio : 9Ch Analog audio (1-Ch for Mic) 1Ch Digital audio (for PB)
Output I/F	<ul style="list-style-type: none"> • Video : 2-ports Digital 4:2:2 8bit ITU-R.656/1302 27M/36M/54M/72M/108M/144M • Audio : 1Ch Analog 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) • Coaxial Protocol : 5C-2V(Coaxial Cable) 200m • I2C interface • Operation voltage : 3.3V , 1.2V • Package(76-eQFN 9mm×9mm 0.4p)

Application Diagram

NVP1918C Block Diagram



NVP1918C Application 8-Ch / 16-Ch



- The compact size NVP1918C will minimize your DVR system size which will eventually meet the customers' needs.