



Multi-Standard HD-Analog and SD Video Transmitter

PT1000K

Rev 0.0

Last Update : 21. Feb. 2017

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▶ Product Overview

The PT1000K is Multi-Standard Analog HD/SD Video Transmitter which supports **Any Standard and Resolution of Analog SD/HD video** for Analog DVR System. It accepts various HD digital video input formats such as 16bit BT1120, 8bit interleaved BT1120 and 8bit BT656 format. The PT1000 contains a built-in test pattern generator, input clock jitter reduction and various programmable features such as color space conversion, image adjustment, luminance/ chrominance filter bandwidth. The PT1000 also supports **Bi-Directional Coaxial PTZ** interface so that the information can be transmitted to and received from DVR by host interface.

▶ Features

◆ Video Encoder

- * Multi-Standard HD-Analog and SD video
 - All kind of HD-Analog Standard and NTSC/PAL
- * Any Resolution of HD-Analog and SD video
 - 1080p25/30, 720p25/30/50/60, 480i60, 576i50
- * Single/Differential Analog Video Output
- * Input Clock Jitter Reduction
- * Built-in Video Pattern Generator
- * Programmable Features
 - Color space conversion
 - Contrast / Brightness / Saturation / Hue
 - Luminance / Chrominance Filter Bandwidth

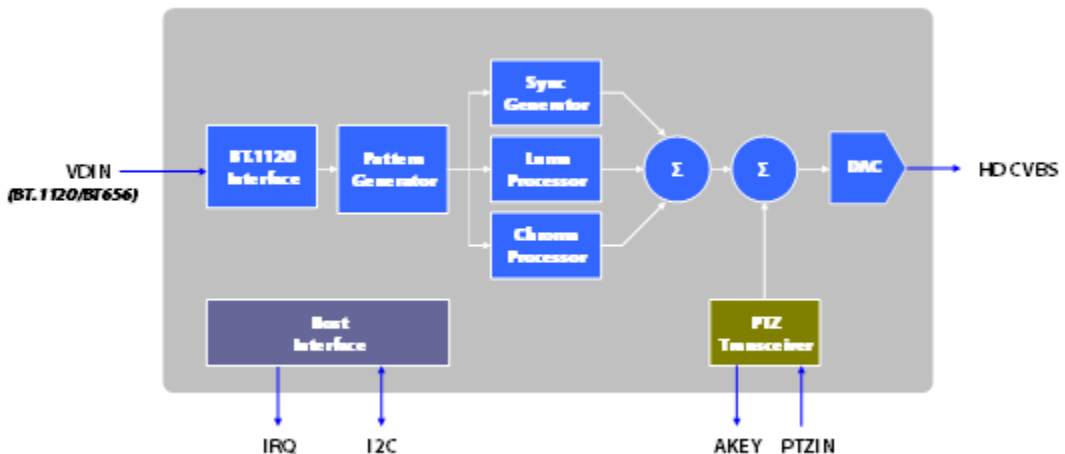
◆ Video Input Interface

- * 16bit BT1120 @ 37.125 / 74.25Mhz
- * 8/10bit Interleaved BT1120 @ 74.25 / 148.5Mhz
- * 8/10bit BT656 @ 27 / 36Mhz

◆ I2C Serial Interface

◆ Low Power Consumption

◆ 48 eQFN Package



[Fig. 1] Functional Block Diagram



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