



# **Multi-Standard HD-Analog and SD Video Transmitter**

## **PT1000K**

**Rev 0.0**

**Last Update : 21. Feb. 2017**

6th Floor, 105, Gwanggyo-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-270, Korea  
TEL +82-31-888-5300 | FAX +82-31-888-5370

**Copyright 2014. Pixelplus Co., Ltd.  
ALL RIGHTS RESERVED**

## ▶ 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

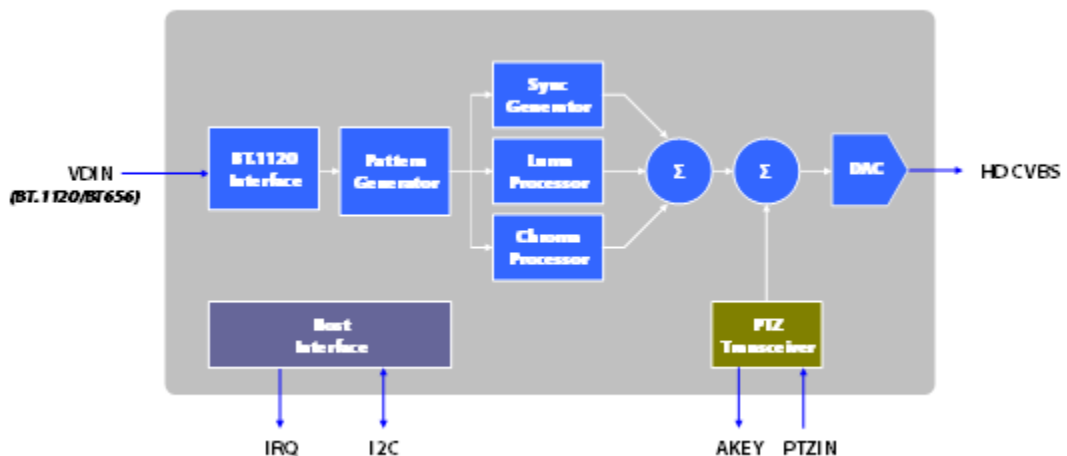
### ◆ Video Input Interface

- \* 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



6th Floor, 105, Gwanggyo-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-270, Korea  
TEL +82-31-888-5300 | FAX +82-31-888-5370