



# 1ch Multi-Standard Analog HD Receiver with MIPI Interface

## PR2000K

Rev 0.0

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

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## ▶ Product Overview

The PR2000 is a HD/SD video receiver which accepts **Any Standard and Resolution of Analog HD/SD video** and guarantees high quality image for **Long-Reach Analog HD** applications. It accepts **Single-ended/Differential** analog HD/SD video signal from camera, then **Cable Equalizer** compensates cable attenuation, and HD/SD video decoder converts analog video signal to digital component data. The PR2000 supports 8bit parallel interface with BT1120/BT656 standard and MIPI-CSI2 interface compliant with MIPI-DPHY v1.0 and MIPI-CSI2 v1.0. The PR2000 also provides **Bi-Directional Coaxial/UTP PTZ** interface so that host can control PTZ camera and receive information from camera with 2-wire serial interface.

## ▶ Features

### ◆ Video Decoder

- \* Multi-Standard Analog-HD and SD video with Auto-Detection
  - All kind of Analog-HD Standard and NTSC/PAL
- \* Any Resolution of Analog-HD and SD video with Auto-Detection
  - 1080p25/30, 720p25/30/50/60, 960p25/30/50/60, 480i60, 576i50
- \* Superior Cable Equalizer for Long-Reach Analog-HD Application
- \* Differential Analog Input or Two Single-ended Analog Input with MUX Switch
- \* Multi-Channel Time-Multiplexed Video Output with Dual Edge of Clock
- \* BT1120/BT656 Parallel Output
- \* MIPI-CSI2 2/4 Data Lane Configuration
  - YUV422 8bit Format
  - 2/4 Data Lanes for 720p25/30, 4 Data Lanes for 720p50/60, 1080p25/30

### ◆ Bi-Directional PTZ Communication

### ◆ Graphic Overlay

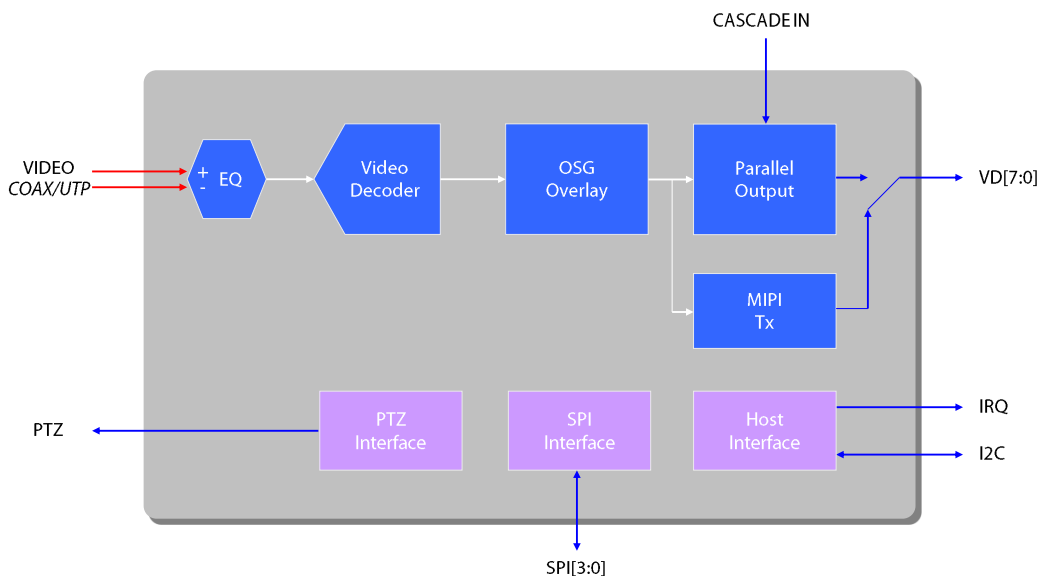
- \* Dynamic Parking Guide line or OSG Overlay

### ◆ I2C Serial Interface

### ◆ Low Power Consumption

- \* 340mW @ Parallel Output
- \* 268mW @ MIPI Output

### ◆ 40 eQFN (5mm x 5mm) Package



[Fig. 1] Functional Block Diagram



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