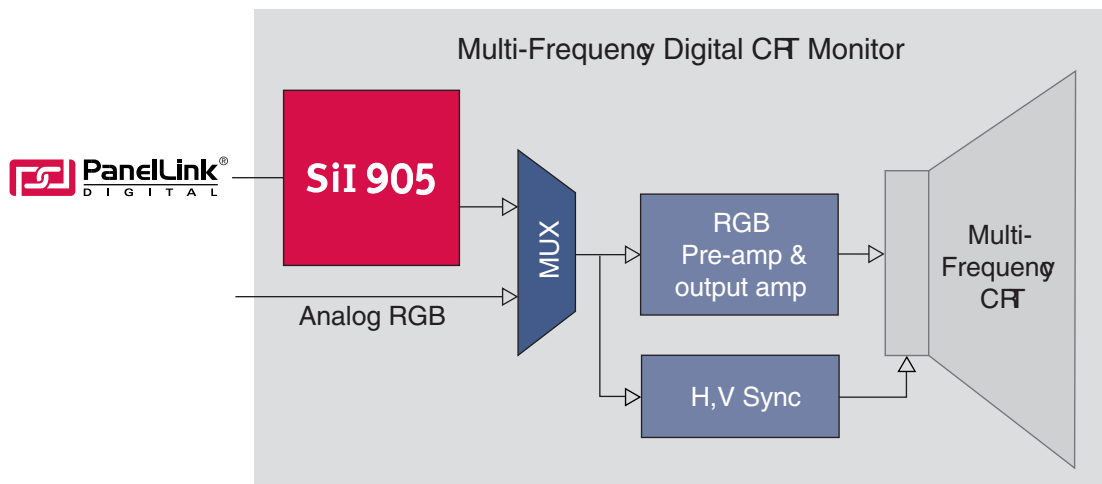
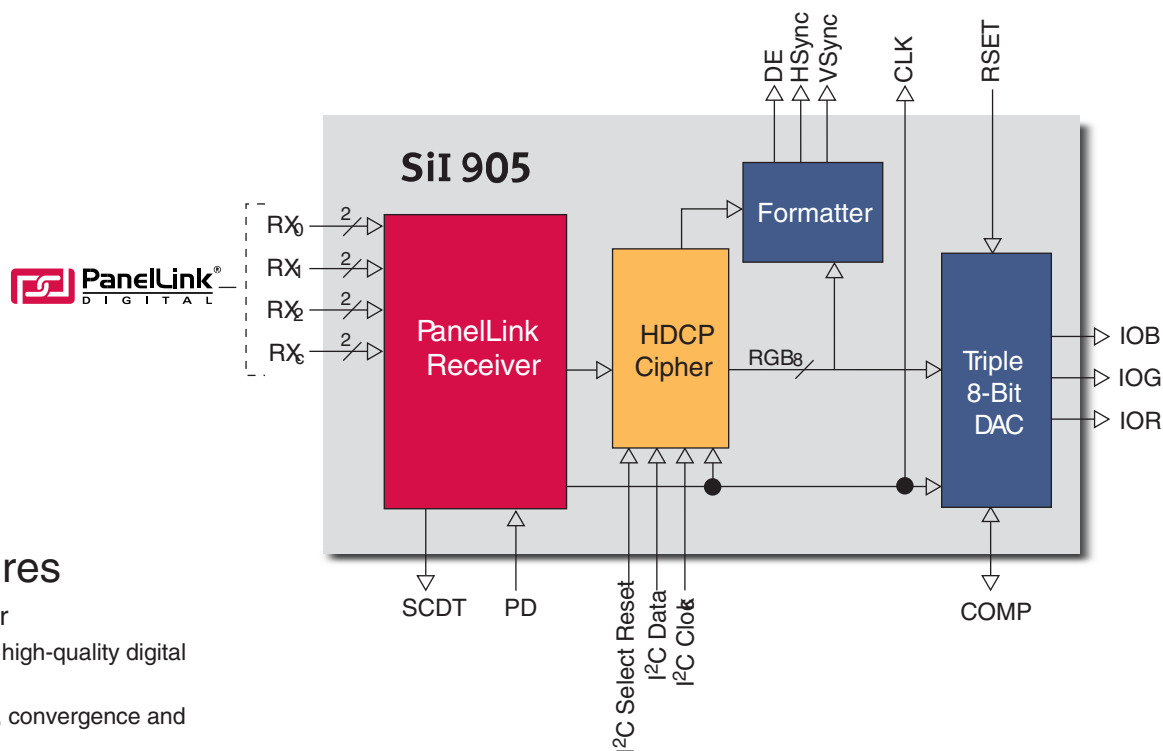


The SiI 905 enables the easy and low-cost addition of the DVI interface to multi-frequency CRT displays, including digital CRTs and high-definition digital televisions. With the DVI-compliant SiI 905, CRT displays may now realize consistently high image quality and receive premium video content encrypted with High-bandwidth Digital Content Protection (HDCP), which has received support from major Hollywood studios. The SiI 905 features an integrated full-bandwidth PanelLin® receiver and a 175 MHz triple 10-bit video DAC, while offering high jitter tolerance and efficient power management. With a full DVI single-link bandwidth of 25-165 MHz, resolutions up to UXGA at 60Hz refresh and SXGA at 85Hz refresh are supported. All of these features and benefits are provided in a 52-pin PLCC package that is pin-compatible with the SiI 901 monitor controller.

The SiI 905 allows CRT monitor and TV manufacturers to quickly and easily integrate the DVI interface into their advanced digital products. By supporting HDCP for DVI now, new applications in display security can be realized in addition to the ability to view premium video content. With these new functions, the SiI 905 enables CRT displays to be future-ready.





## Sil 905 Features

### PanelLink® Controller

- Provides a consistent, high-quality digital visual experience
- Improves image focus, convergence and geometry
- Cost-effective, easy-to-implement architecture for DVI-compliant multi-frequency CRT displays
- 52-pin PLCC package

### Input

- PanelLink Digital receiver for proven DVI compatibility
- Supports DVI input from 25 MHz to 165 MHz
- Supports High-bandwidth Digital Content Protection (HDCP)

### Output

- 25-175 MHz triple 10-bit video DAC
- Supports analog RGB video output up to UXGA resolution at 60Hz or SXGA resolution at 85 Hz
- Frame rate preservation locks incoming and outgoing frame rates to eliminate temporal artifacts

### Power Management

- Support DVI and VESA DPMS™ power management functionality
- Low standby power consumption for energy conservation requirements

### Easy to Use

- Enhanced, robust input jitter tolerance
- Pin-compatible with SiI 901 (for non-HDCP applications)

## Silicon Image's SiI 905 Starter Kit

The CP905DVI starter kit includes all of the hardware, software and documentation necessary to quickly design and launch a DVI-compliant digital CRT display.

### Contents include:

#### Hardware

- SiI 905 evaluation board
- Power supplies
- Interface cables

#### Documentation

- SiI 905 starter kit user guide
- SiI 905 datasheet
- SiI 905 evaluation board schematics

Part Number - SiI905CQ52

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