Enabling High-speed Serial Connectivity

For all your Timing, Switching, Connectivity & Signal Integrity Needs

Video Security
### Pericom Recording Solution Advantages

<table>
<thead>
<tr>
<th>Category</th>
<th>Advantages</th>
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| **Switches**      | • Broadest Range of PCIe Switches and Bridges  
                     • Provides Expandability and Roadmap to Future Standards  
                     • PCISIG Certified Solutions Ensure Reliability                                                                  |
| **Timing Products** | • Integrated PCIe Timing Generation Reduces BOM Costs  
                     • Complete Line of Integrated XO’s, Accurate RTC’s and Xtals  
                     • Quick-Turn Custom Frequencies                                                                                  |
| **Voltage Translators** | • Universal Level Shifters Reduce Costs/BOM Management                                                                               |
| **ReDrivers™**    | • Certified PCIe, USB, and SATA Equalizers Improve Reliability and Time to Market                                                         |
| **Power Management** | • uP Supervisory Circuits Safeguard Reliable Operation                                                                                  |
| **Video Decoders** | • Superior Distance Using Adaptive Equalization                                                                                         |
Embedded Hybrid DVR/NVR
Basic Mobile DVR / X86 Based NVR

- SD/960H Video Decoder
- HDMI ReDriver
- USB ReDriver
- 1Gb Enet PHY
- HDMI ReDriver
- SATA ReDriver
- Clk Gen
- RTC
- XO
- X86 SOC
- PCIe Switch
- PCIe Clock Generator
- 100MHz HCSL Clk
- SATA Controller
- PCle Enet Controller
- SATA Controller
- PCle Enet Controller

Clock Trees

Power Supply

Basic Mobile DVR

X86 Based NVR
IP Camera - H.265 Encoding

- PIR Sensor
- Image Sensor
- Motor Controller
- AutoFocus and Zoom Lens
- SOC (ISP + H.264/5 Encoding)
- 37.1MHz
- And/Or
- 25MHz
- Power Supply
- Power Supply Rails
- 10/100 Enet PHY
- CLK
- USB Connector
- USB ReDriver
- RTC
- XO
- XTAL
- PIR Sensor IC
- Voltage Translator
- SD Card
- Power Management
- Motor Controller
Analog HD Camera

- PIR Sensor
- Image Sensor Processing (ISP)
- HD Analog Tx
- AutoFocus and Zoom Lens
  - Sometimes Integrated
- Motor Controller
  - 37.1MHz
  - 27MHz or 74MHz
- Image Signal Processing (ISP)
- Power Supply
  - Power Supply Rails
- Power Management
  - Sometimes Integrated
- 27MHz or 74MHz
- Analog CVBS signal
- Motor Controller
- PIR Sensor IC
- Voltage Translator
- PIR Sensor IC
- XO
- XTAL
- PIR Sensor IC
- Motor Controller
Thank You

The End