- LVDS Transmitter
  - Compliant with VESA, JEIDA
  - 1/2 configurable port with 1 clock lane and 4
  - per each port
  - Configurable sync code detected
  - data rate up to 1.2Gbps
- **MIPI DSI/CSI Transmitter**
  - Compliant with D-PHY1.2 & DSI 1.3 & CSI-2
  - 1/2 configurable port
  - 1 clock lane and 1/2/4 configurable data lane
  - port; 2Gbps per data lane
- **TTL Transmitter**
  - 15-lane SDR/DDR Sampling Support
  - Max Pixel Clock 37.125MHz
- **Automotive Display Port Receiver**
  - 1/2 configurable link
  - Bidirectional transmission with maximum 5.4
  - forward data channel and maximum 3.7Mbps
  - control channel, only link0, and link1 is only for
  - channel
  - Receive video, I2C data and audio from the f
  - data channel with scrambling, DC balance an
  - Carry reference clock, I2C data, interrupt and
  - sync on back control channel with DC balanc
  - Maximum 10m transmission distance for 5.4
  - 15m for 4.32Gbps

2. General Description

The LT934LMT deserializer is a part of Lontium's long distance video transmission family for Advanced Driver Assistance Systems(ADAS), designed to provide a solution for LVDS, MIPI and TTL video transmission with a coax(POC) or STP cable. The chip delivers a maximum 5.4Gbps forward data channel and back control channel, and supports power over each cable.

3. Applications

- Advanced Driver Assistance Systems(ADAS)
  - Front and Rear Image Sensor
  - Display System
- LVDS/MIPI/TTL Extender

LONTIUM CONFIDENTIAL

LONTIU

LONTIUM CONFIDENTI