Embedded DisplayPort (eDP)

Display Identification

Display Metrology

Display Interface Compression

Leverage DisplayPort v2.0 and eDP
- Multiple display support
- DSC Compression
- Display self-refresh
- Tunneling for alternate transports
- Display protocol conversion
- Future Bulk Mode support

Adds Automotive Requirements
- Functional Safety Coverage
- Keep alive, safe mode, self test
- Transport security and content protection
- PHY adapted to automotive EMC

Native End-to-End Transport
- Embedded applications
- Short Reach Box-to-Box
- Adds high-speed sideband channel

Adaptation to Serialized Long Reach Automotive Transport
- Will utilize DP v2.0 tunneling capability
- Liaison with MIPI Alliance to evaluate VDP tunneling over the A-PHY Specification in development
VESA Video Compression for Automotive Applications

- Live video compression demo from Hardent at the VESA booth (#79)
- Video compression paper September 25 @ 2:10 PM