

**Vehicular DisplayPort (VDP) Definition**

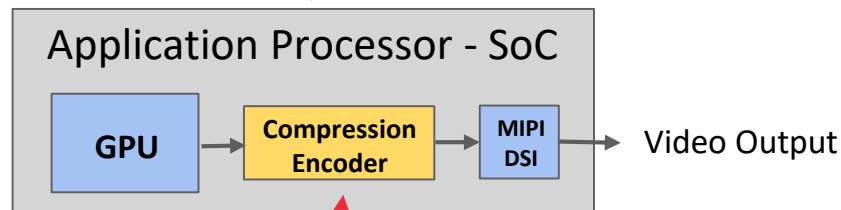
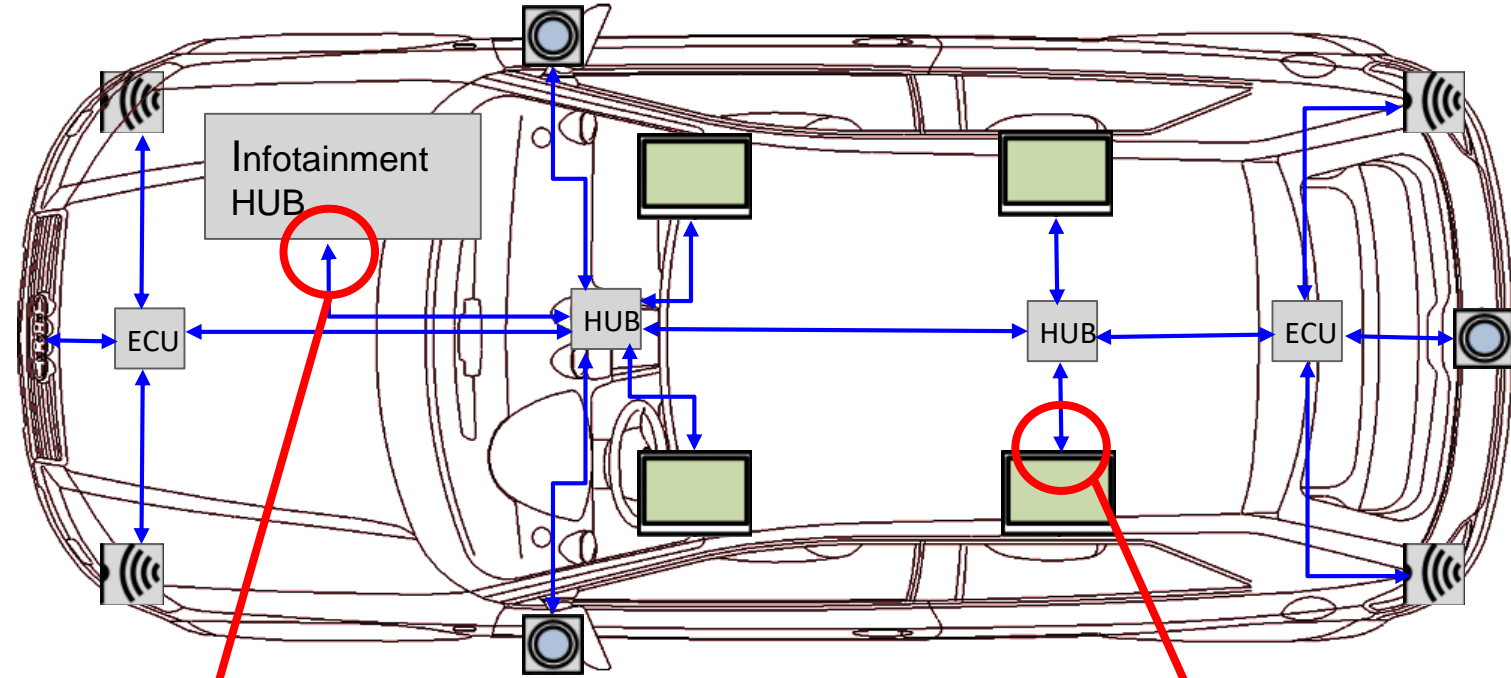
- Leverage DisplayPort v2.0 and eDP
  - Multiple display support
  - DSC Compression
  - Display self-refresh
  - Tunneling for alternate transports
  - Display protocol conversion
  - Future Bulk Mode support
- Adds Automotive Requirements
  - Functional Safety Coverage
  - Keep alive, safe mode, self test
  - Transport security and content protection
  - PHY adapted to automotive EMC

**Vehicular DisplayPort Transport Options**

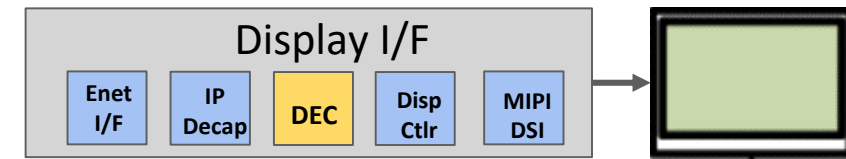
- Native End-to-End Transport
  - Embedded applications
  - Short Reach Box-to-Box
  - Adds high-speed sideband channel
- Adaptation to Serialized Long Reach Automotive Transport
  - Will utilize DP v2.0 tunneling capability
  - Liaison with MIPI Alliance to evaluate VDP tunneling over the A-PHY Specification 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**



VESA DSC or VDC-M compression



VESA DSC or VDC-M decompression