

CVTA/SAE Summit

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1394 Trade Association

Flexible, Extensible, Secure

Standards Developed

- 1394 Trade Association has developed numerous standards to enable automotive systems over the years:
 - Jointly with AMI-C as a contributor
 - Next with IDB-1394 as a partner
 - A repository for IDB-1394 specifications, completing new required specifications
 - ISO Study Group for Automotive Cameras participant
- 1394 Trade Association info:
 - Organized in 1995, about 90 members
 - Members span software/systems/chips/interconnect

Security/Safety

- Protection of content broadcast or purchased
 - Compressed and un-compressed video
 - Finished work with DTLA for content protection for “analog sunset” broadcasting
 - Finished work with BDA on Blu-ray using 1394
- Driver Assist/Collision Avoidance (camera based)
 - Compressed and un-compressed video
 - Low latency and numerous AV protocols
 - Can integrate camera system with infotainment
 - Capable to bridge with a legacy camera system (LVDS, GVIF, etc.) with full control on the network

Environment/Comfort

- 1394 Automotive networks can be daisy-chain or star, allowing minimization of cable weight
- Work with IEC TC86 on lighter, high performance automotive fiber optics systems
- Control, Integrated and Easy
 - A fully integrated navigation, entertainment and driver assist operated by the driver or passengers is comfort
 - To achieve comfort you need the network bandwidth to support all these functions happening at once