Raw Video Discussion

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Objective

- Map SDI content and House Sync onto 1722a over Ethernet/AVB
  - Standard Def fits on Gigabit Links (up to 360 Mbps)
  - Hi-Def requires 10-gig links (or faster)
  - Fit the entire SDI signal into a single AVB stream, including all types of ancillary data, audio, HANC, VANC, etc (not just active video).
  - Important to preserve the ancillary data and preserve its location within the video raster.
RTP Payload Format for Uncompressed

This memo defines a scheme to packetize uncompressed, studio-quality video streams for transport using RTP [RTP]. It supports a range of standard and high-definition video formats, including ITU-R BT.601 [601], SMPTE 274M [274] and SMPTE 296M [296].

RFC 4175 payload type can support up to 32768 scan lines and pixels per line

SMPTE 292M is typically used in the broadcast industry for the transport of other video formats such as SMPTE 260M, SMPTE 295M, SMPTE 274M, and SMPTE 296M.
Two (partial) lines of video data
Discussion

- RFC 4175 will not meet the use cases for Rob Silfvast because of the extra SDI data that is required.
- For Automotive camera use IIDC should cover all use cases up to 1080p, may actually go higher.
- Hold off on RFC 4175 until a use case is indicated
- New, from scratch, format will need to be defined for SDI.
HARMAN
WHERE SOUND MATTERS