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.
RFC 4175

- 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