

# HARMAN

## Raw Video Discussion

Dave Olsen 6/25/2012

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- **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.**



- **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.**

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WHERE SOUND MATTERS

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