

RTP Payload Format for Uncompressed Video

draft-ietf-avt-uncomp-video-01

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Changes since -00:

- Editorial nits
 - Added:
 - 12bit and 16bit sample sizes
 - monochrome and 4:4:4:4
 - RGBA
 - Applicability statement
 - Comparison with RFC 2431
- “RTP Payload Format for BT.656 Video Encoding”
- } → Pgroup information

RTP Payload Header

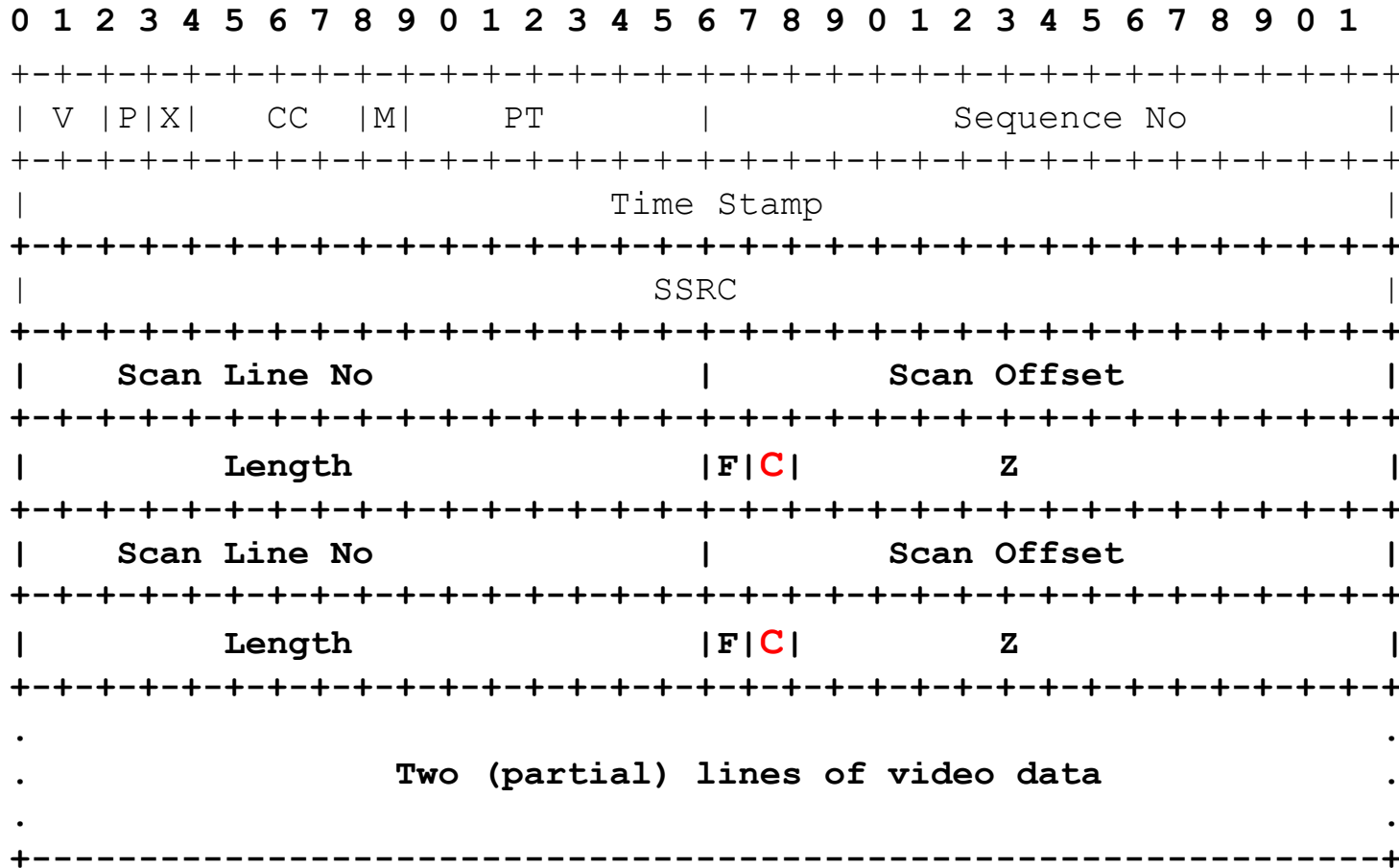


Figure 1: RTP Payload Format showing two (partial) lines of video

SDP example

M = video 30000 RTP/AVP 111

A = rtpmap:111 raw/90000

A = fmp:111 color-mode=YUV; color-sub-sampling=4:2:0; lines-per-frame=1121; pixels-per-line=720; bits-per-sample=8; scan-mode=progressive

- and a number of optional parameters; representation will be completed for the next draft.

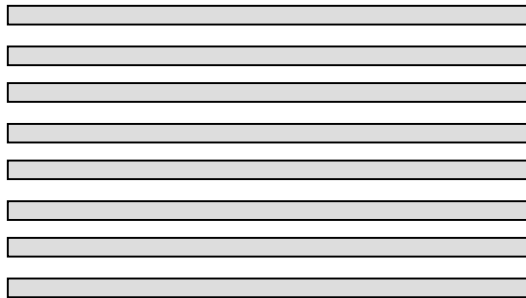
Open Issues?

- Representation of optional parameters
- Draft is currently strictly packed:
 - planar: can be added, will an SDP parameter
 - macro-blocked:
 - does it make sense to have packed and planar in the same draft?
- Transport of interlaced 4:2:0
- Time stamps of interlaced fields?
 - Should the two fields have distinct time stamps?

Time stamps of interlaced fields?

- Should the two fields have distinct time stamps?
- May be redundant:
 - it is derivable from bit field and frame rate

ts: 30100



Progressive (29.97fps)

ts: 30100,

ts: 31601.5



Interlaced (29.97fps)