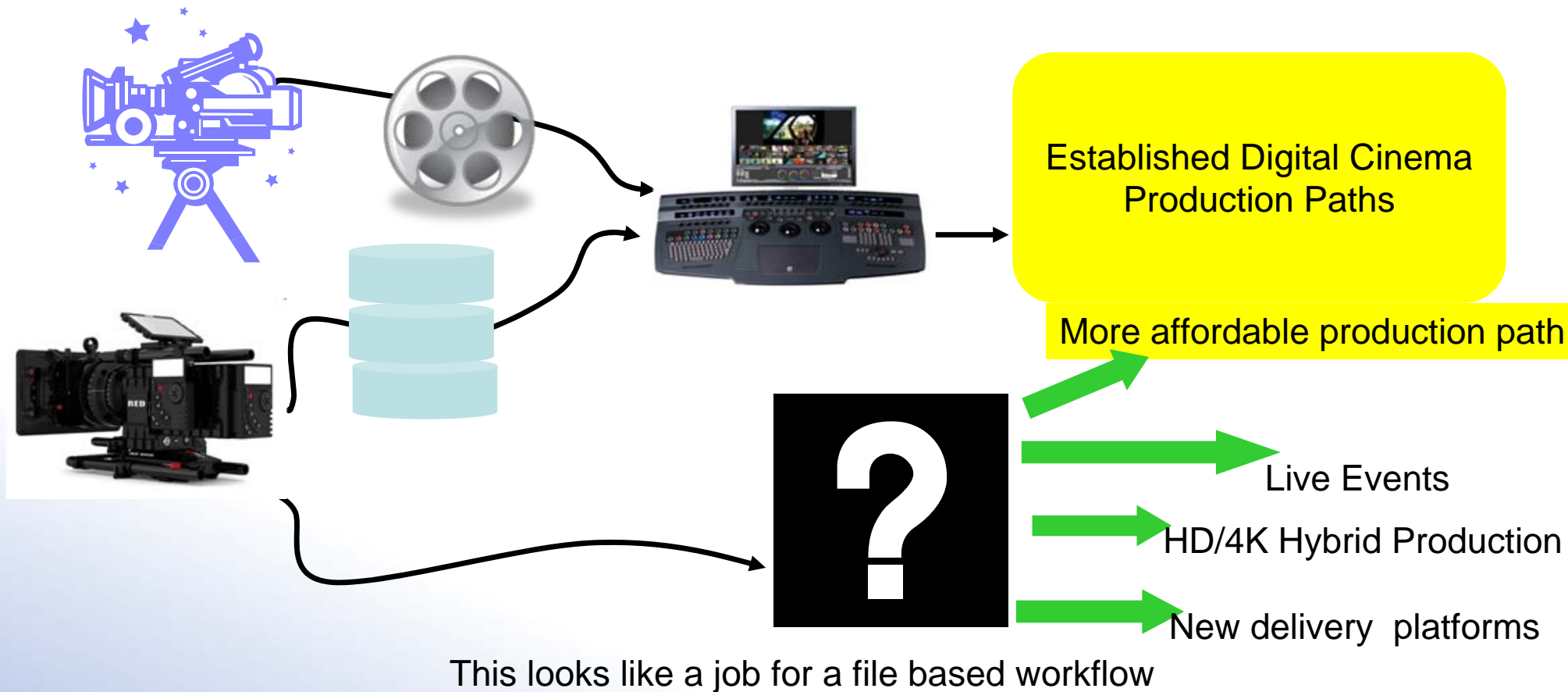


4K Applications Beyond 35mm Film Substitute



For viable 4K workflow and
infrastructure

Michael Bergeron,

**Panasonic
Solutions Company**



- 4K Players
- 4K Displays
- 4K Footage
- 4K Connectivity
- 4K Standards

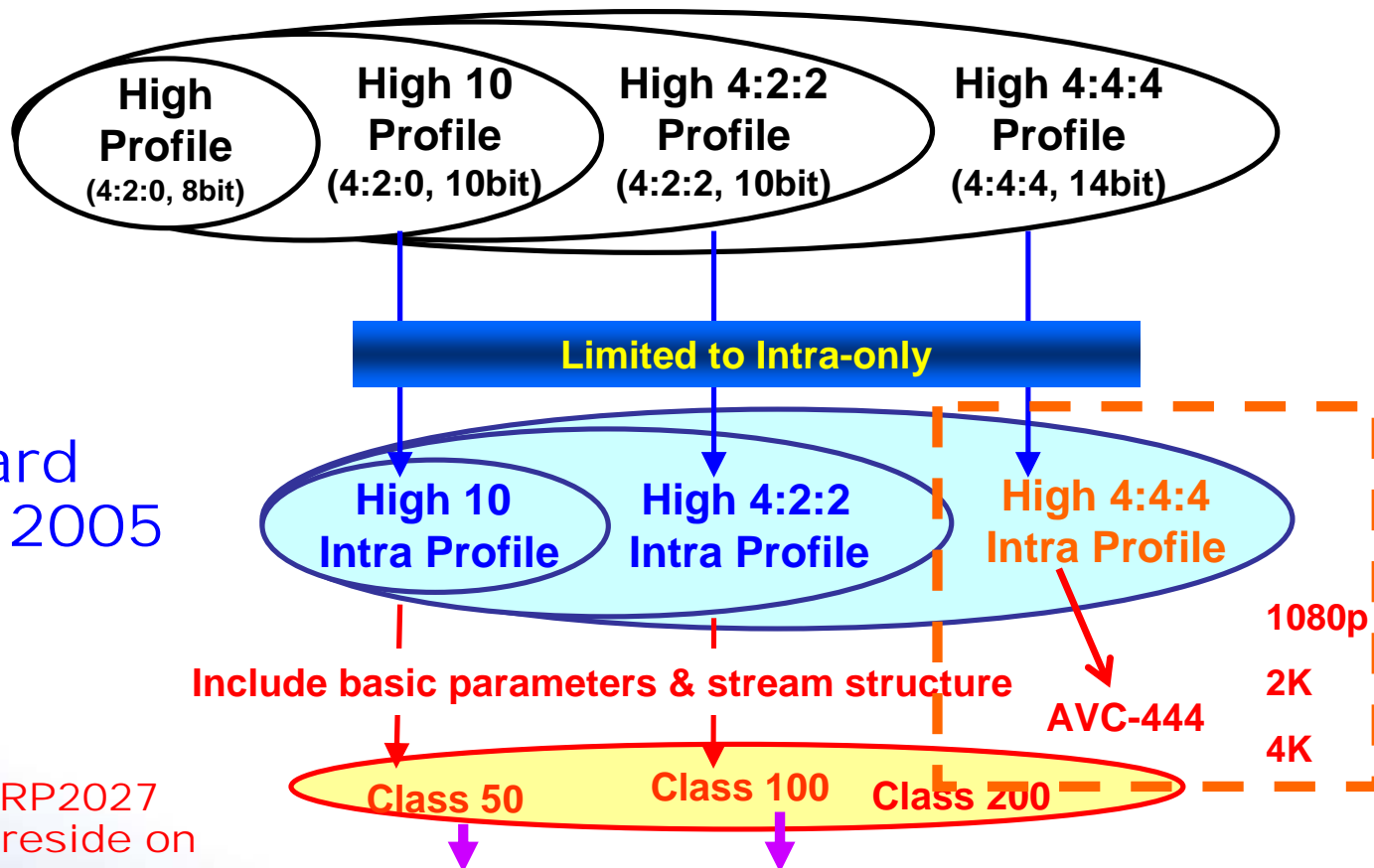


H.264/AVC standard
(2005 edition
FRExt)

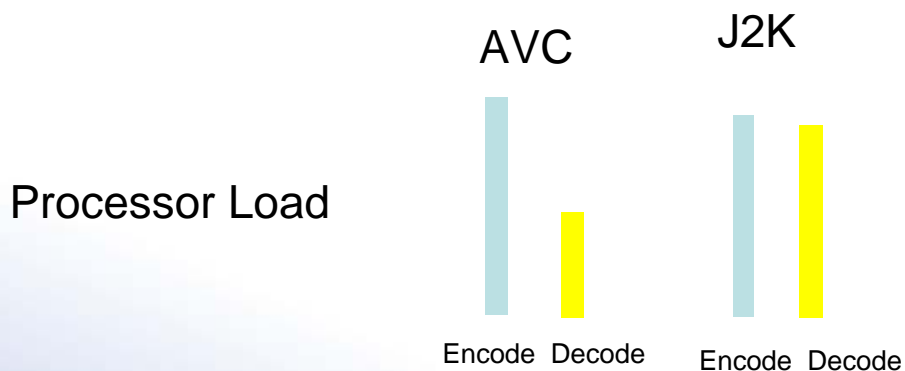
H.264/AVC standard
(Amendment 2 to 2005
edition)

SMPTE RP2027
can reside on
NLE

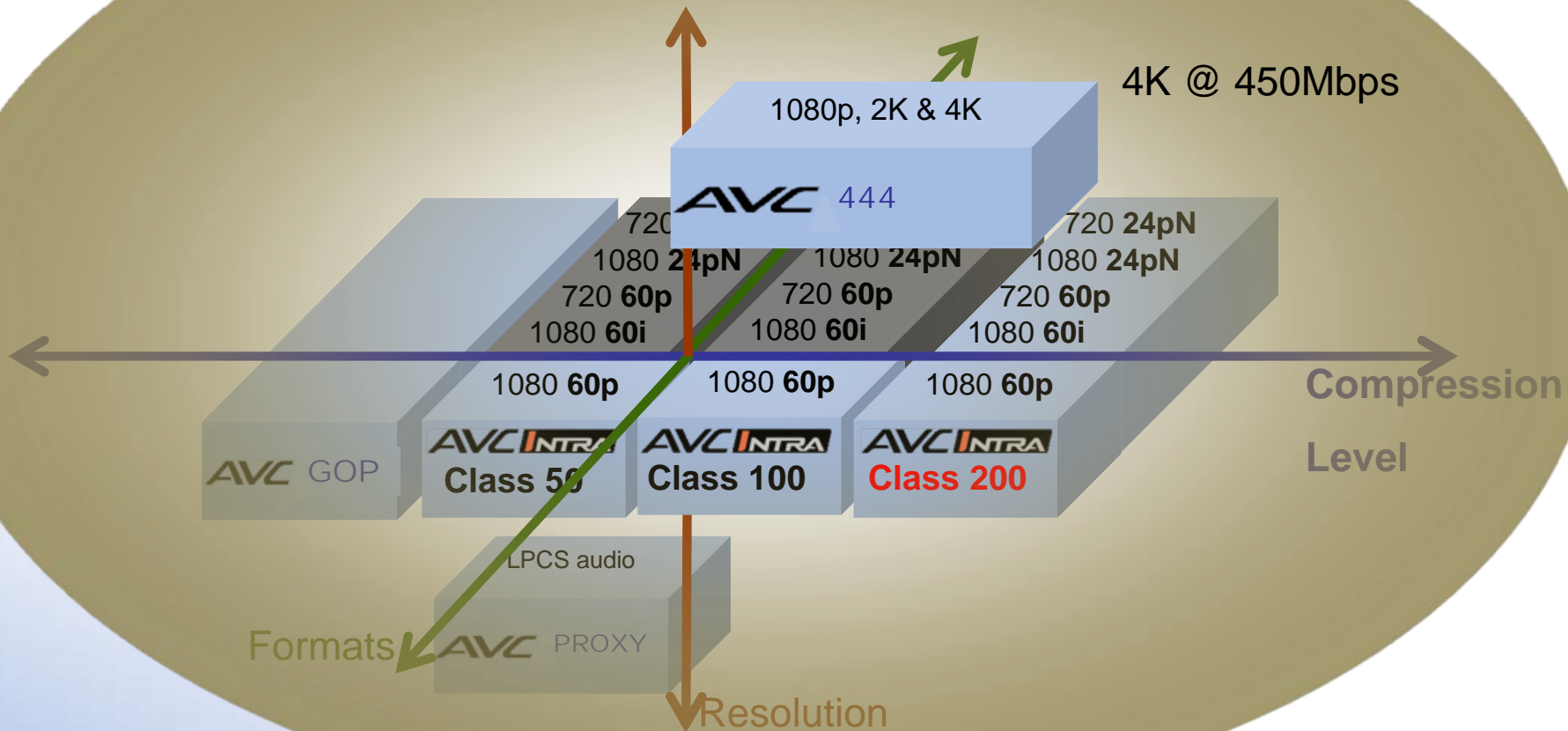
SMPTE RP2008 (MXF Wrapper)



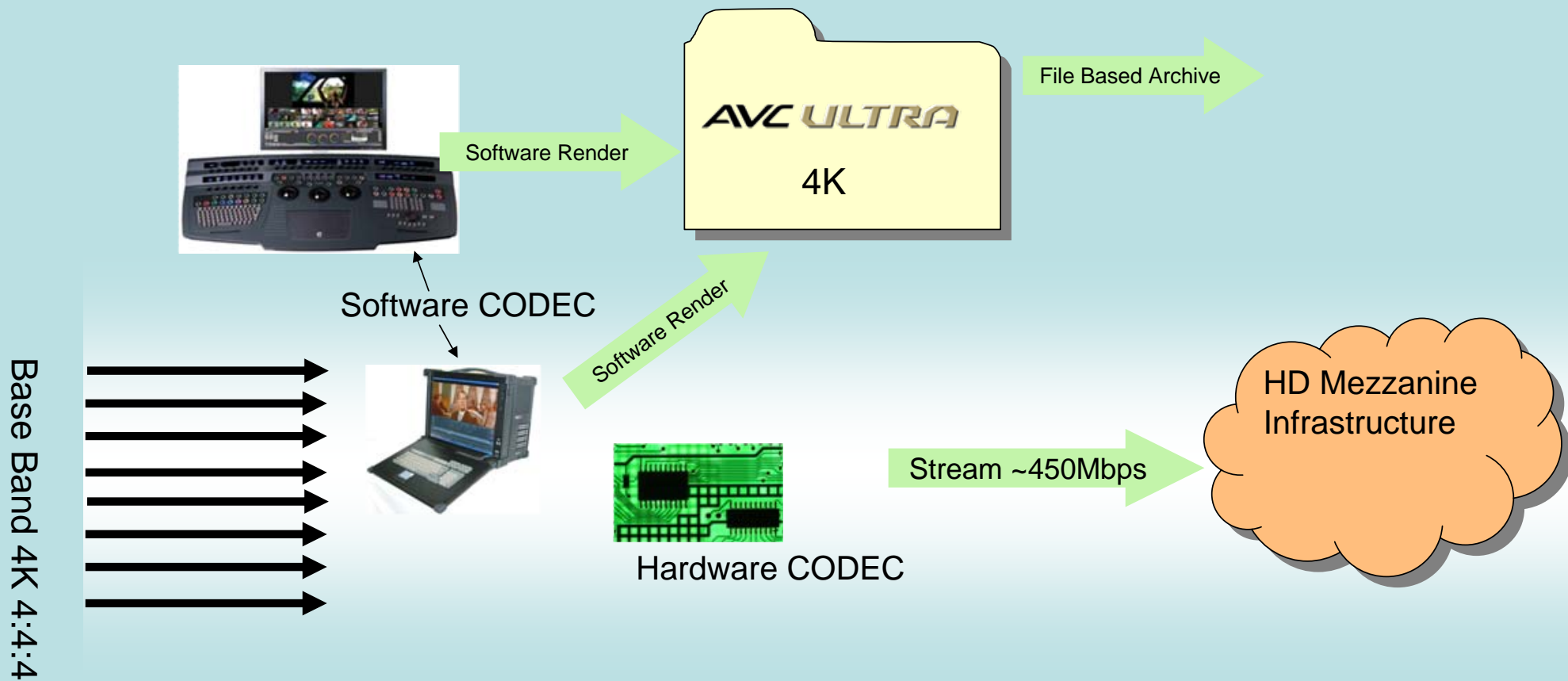
- Easier optimization
- Lower power for LSI operation
- Encode / Decode Asymmetry



AVC ULTRA



4K In an HD Infrastructure



- 4K Field Recording
- 4K Dailies
- 4K Intermediate Codec
 - IMF, AS-11...
- 4K Production Server (smaller scale)
- 4K Streaming over LAN
- 4K Archive (With HD File Size)

