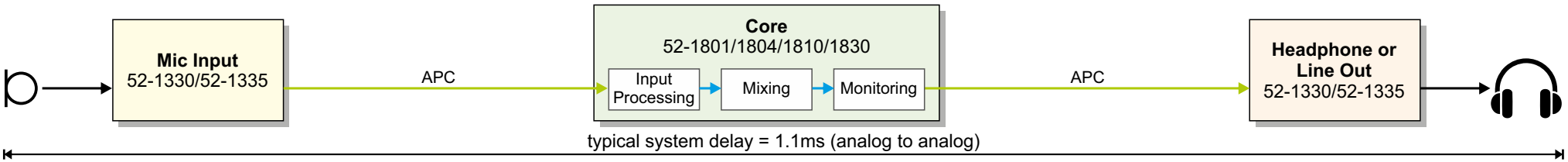
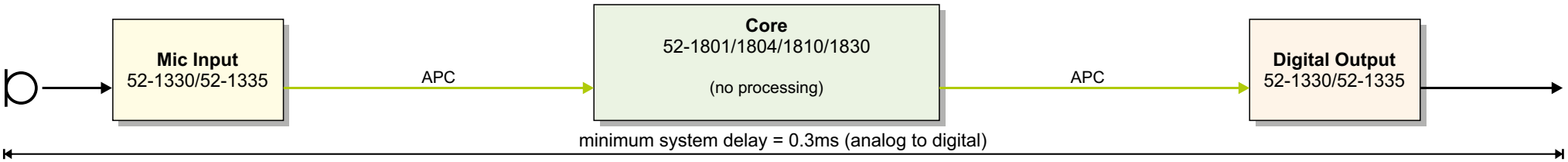
Audio Signal Delays of XS/XS2 Cores & XS I/O Module

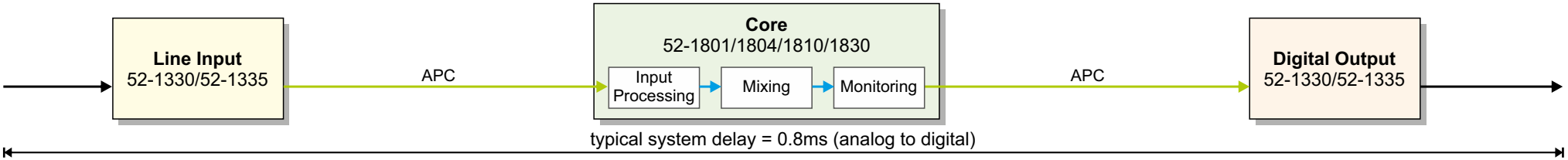
Example 1, typical system signal flow:
microphone input – core (input processing, mixing, monitoring) – analog headphone or analog line out



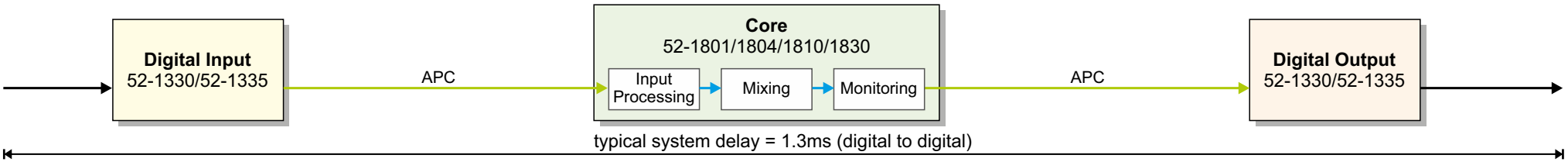
Example 2, minimum delay:
microphone input – core (no processing) – digital output



Example 3, typical system signal flow:
analog line input – core (input processing, mixing, monitoring) – digital output



Example 4, typical system signal flow:
digital input with sample rate converter (SRC=on) – core (input processing, mixing, monitoring) – digital output



Input Processing, typical: subsonic filter, 4 band EQ, compressor, limiter
(Note: the delay is constant and independend of the number of functions inside the processing chain)
Mixing: program bus
Monitoring: output function

APC -Audio, Power, Control/ Controller Network, Ethernet CAT5/6
Analog / Digital Audio

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DHD