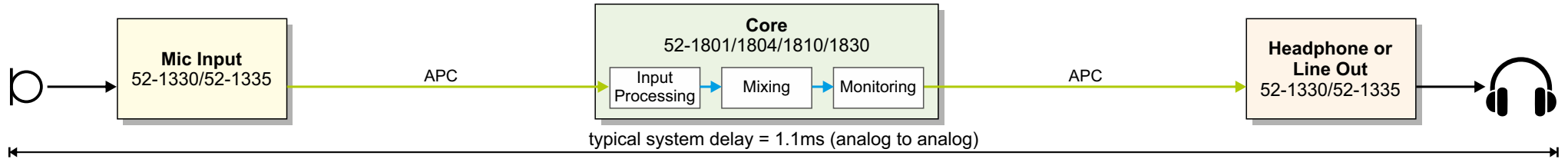


Audio Signal Delays of XS/XS2 Cores & XS I/O Module

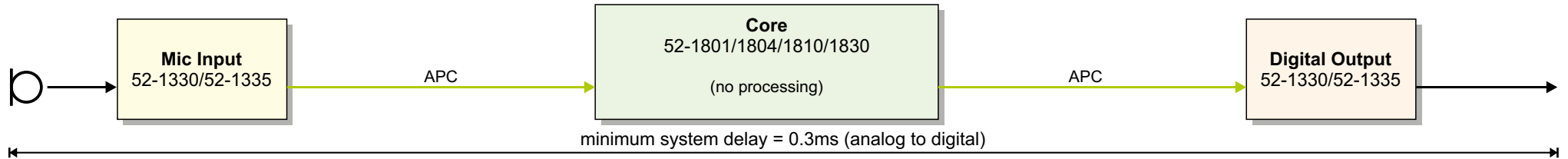
Example 1, typical system signal flow:

microphone input – core (input processing, mixing, monitoring) – analog headphone or analog line out



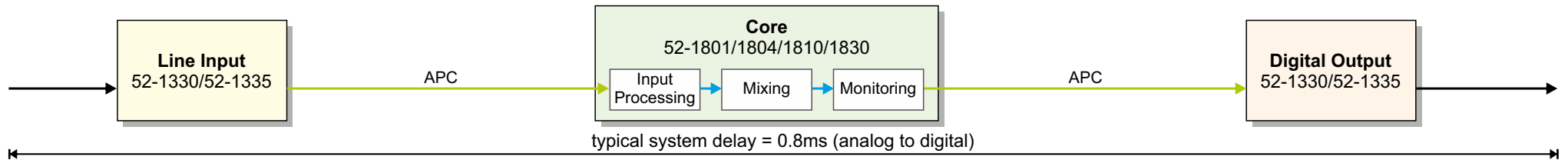
Example 2, minimum delay:

microphone input – core (no processing) – digital output



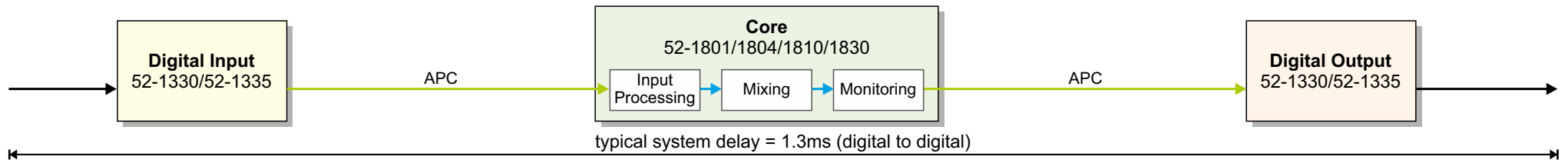
Example 3, typical system signal flow:

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 independent 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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FM, 01.12.2015, file: xs_audio-signal-delays_1 .cdr